

MP9144

SD(0) — 1	2
SD(1) —	0 Gnd
SD(2) —	0 +5V
SD(3) —	0 Gnd
SD(4) —	0 +5V
SD(5) —	0 Gnd
SD(6) —	0 +5V
SD(7) —	0 Gnd
clk4M —	0 Gnd
Rst —	0 +5V
WE _n —	0 Gnd
PVAL —	0 AGnd
KFL —	0 AGnd
CHS —	0 AGnd
RHWL —	0 AGnd
Bot —	0 AGnd
EOT —	0 -12V
OUTH —	0 -12V
CartSw —	0 +12V
WrProt —	0 +12V
ZData —	0 Gnd
SVWr —	0 Gnd
SVRd —	0 Gnd
GNS —	0 Gnd
WZData —	0 AGnd

49 50

Controller → Drive

1	2
ProtA —	0 ProtB
FaultA —	0 FaultB
0	0 BusyA
BusyB —	0
UnlSw —	0
+5V —	0 FrontTapeSw
Gnd —	0 ToTapeSw
13	14

Front panel
→ Controller

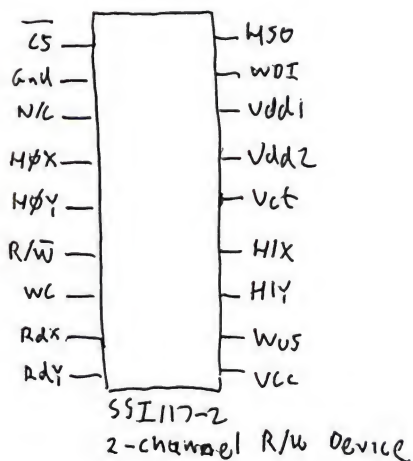
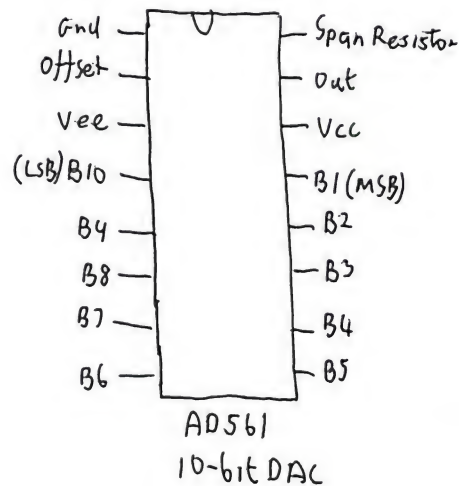
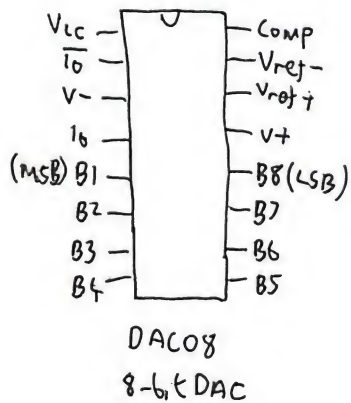
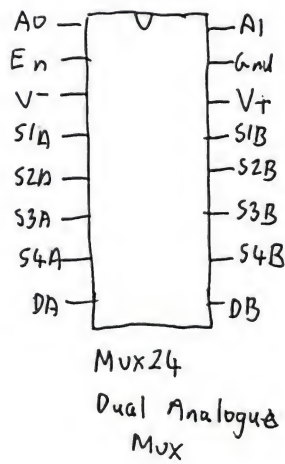
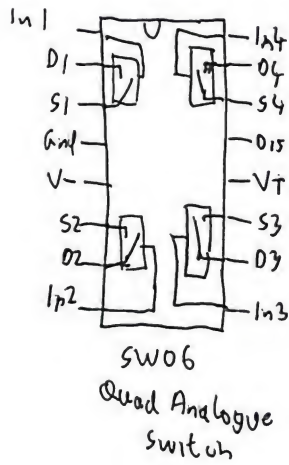
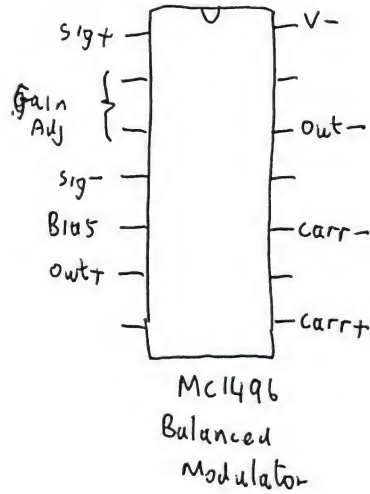
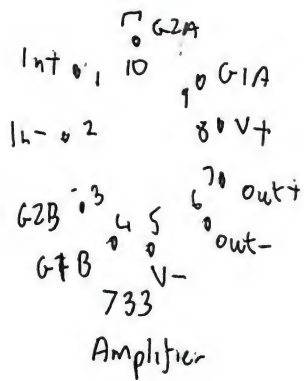
0 -12V
0 AGnd
0 +12V
0 PVAL
X
0 Gnd
0 +5V
0 Gnd
0 +5V
0 Gnd

PSU → Controller

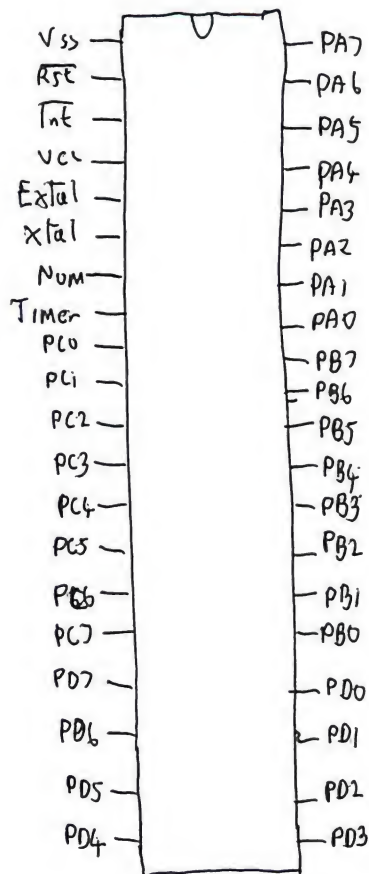
0 +12VM
0 N/C
X
0 GndM

PSU Motor
supply

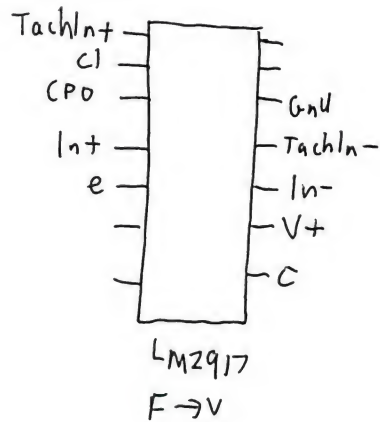
HP9144



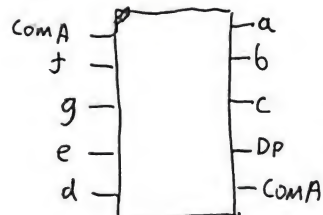
MP9144



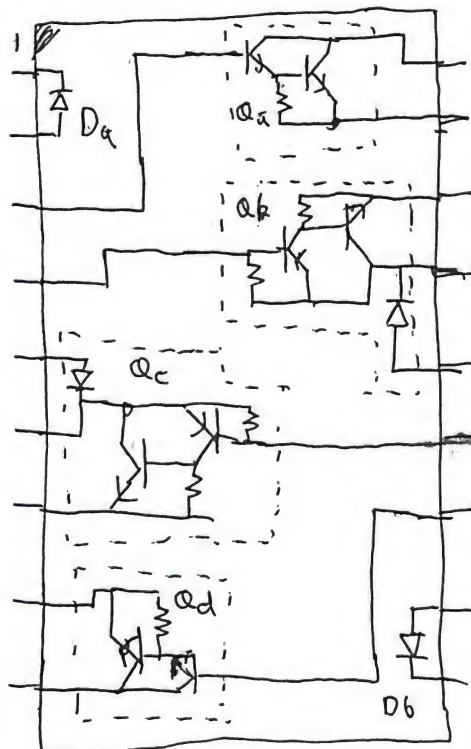
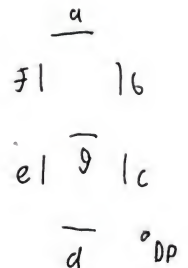
6805U3
Microcontroller



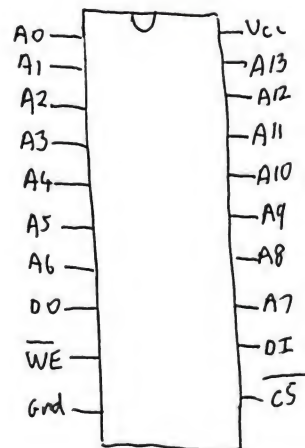
LM2917
F → V



HDSP-7301
7 Segment Display
(Common Anode)

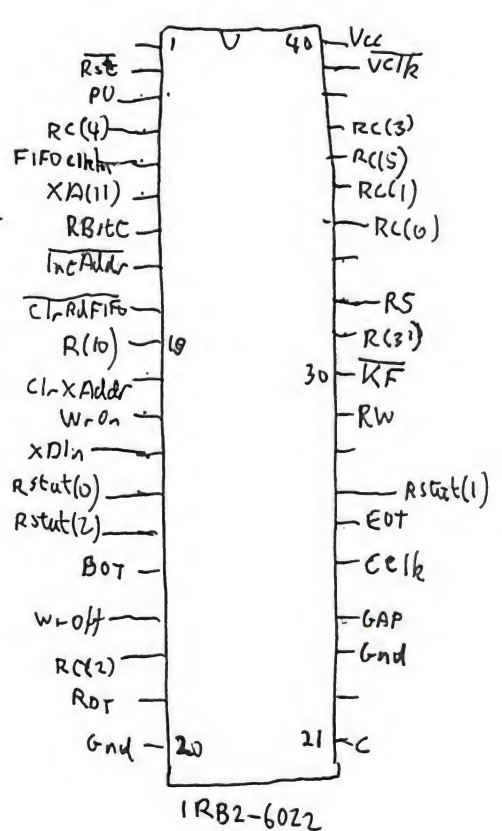
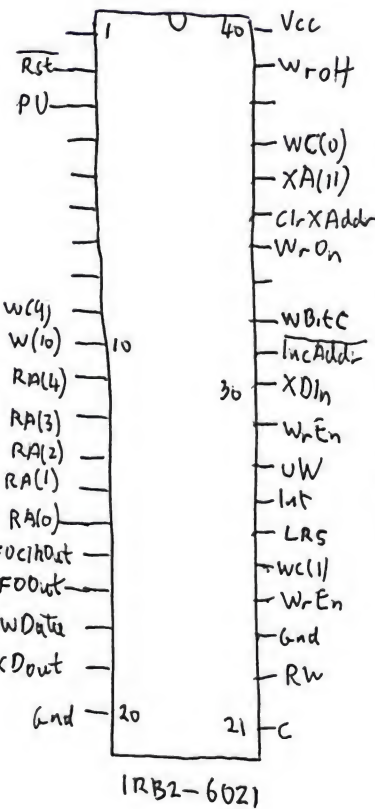
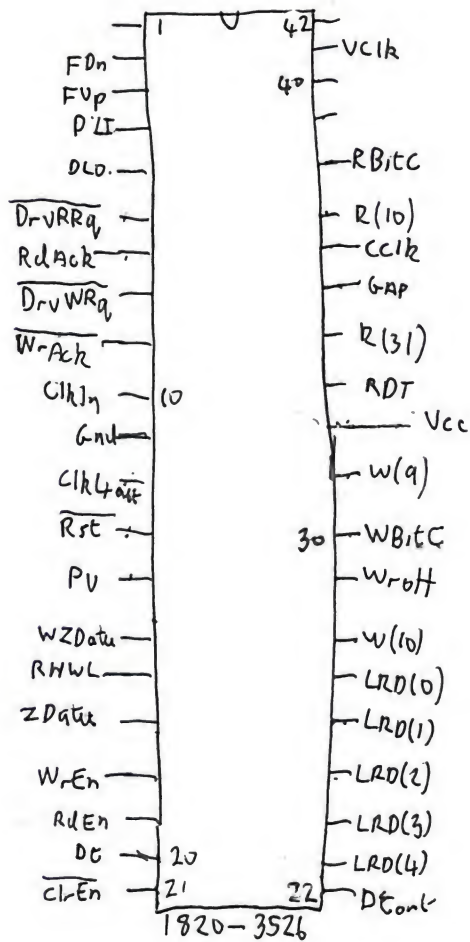
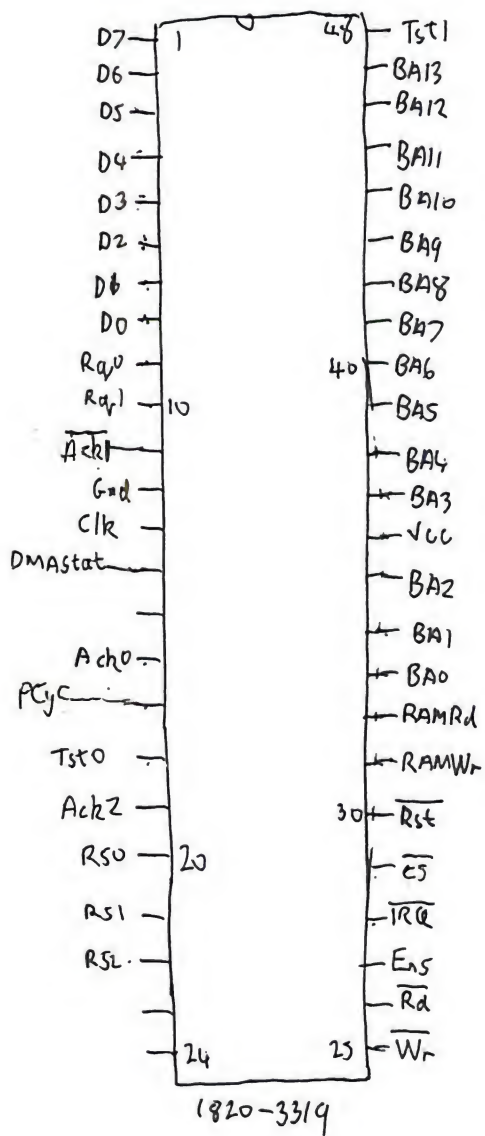


PIC900C
H-Bridge
Transistor Array



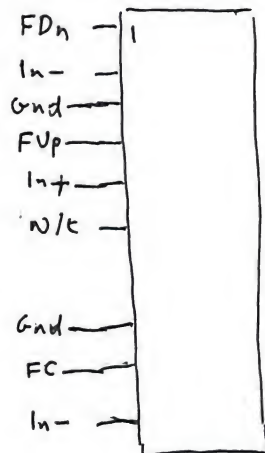
8167
16Kx1 RAM

HP9144

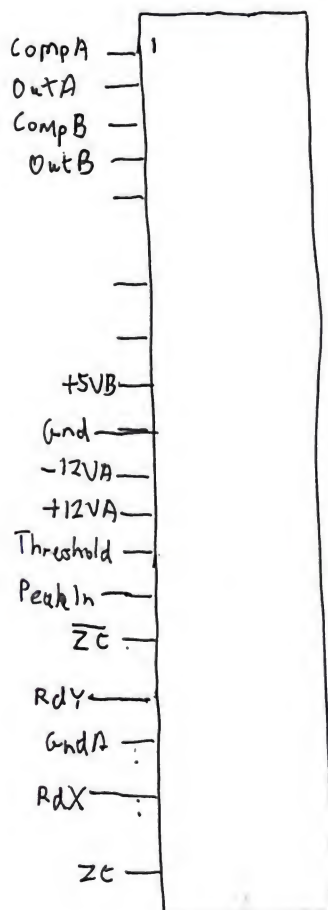


HP 9144

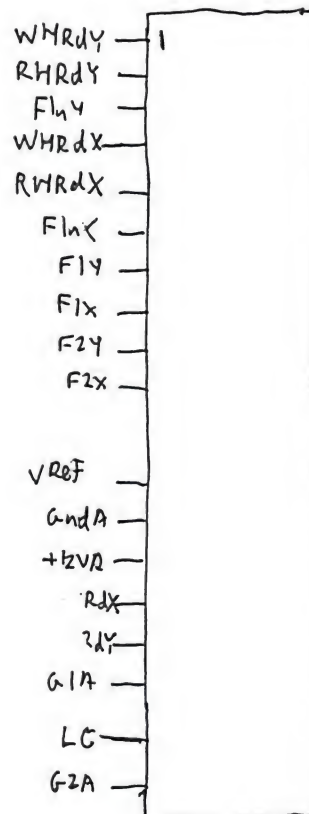
Hybrids



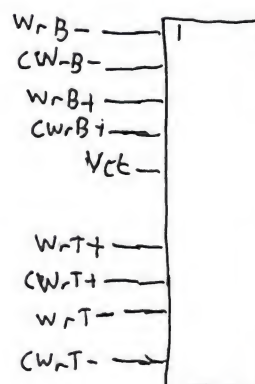
H1
09144-80101
(VCO Control)



H202
09144-80102
(Read Data)



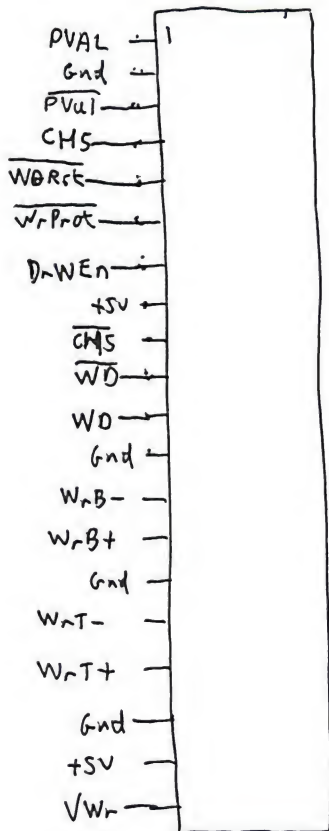
H201
09144-80104
(Read Amplifier)



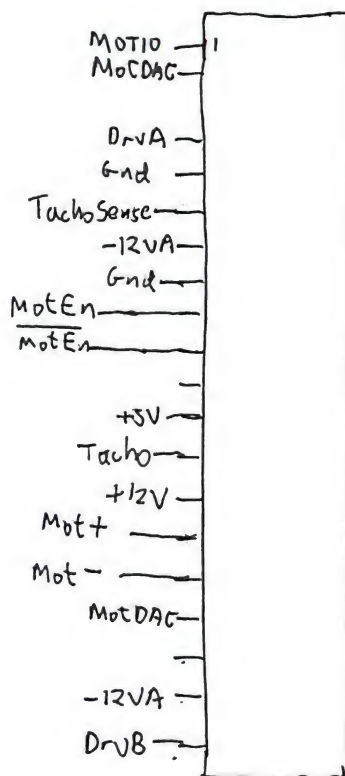
U203
09144-80105
(Head Coupling)

MP9144

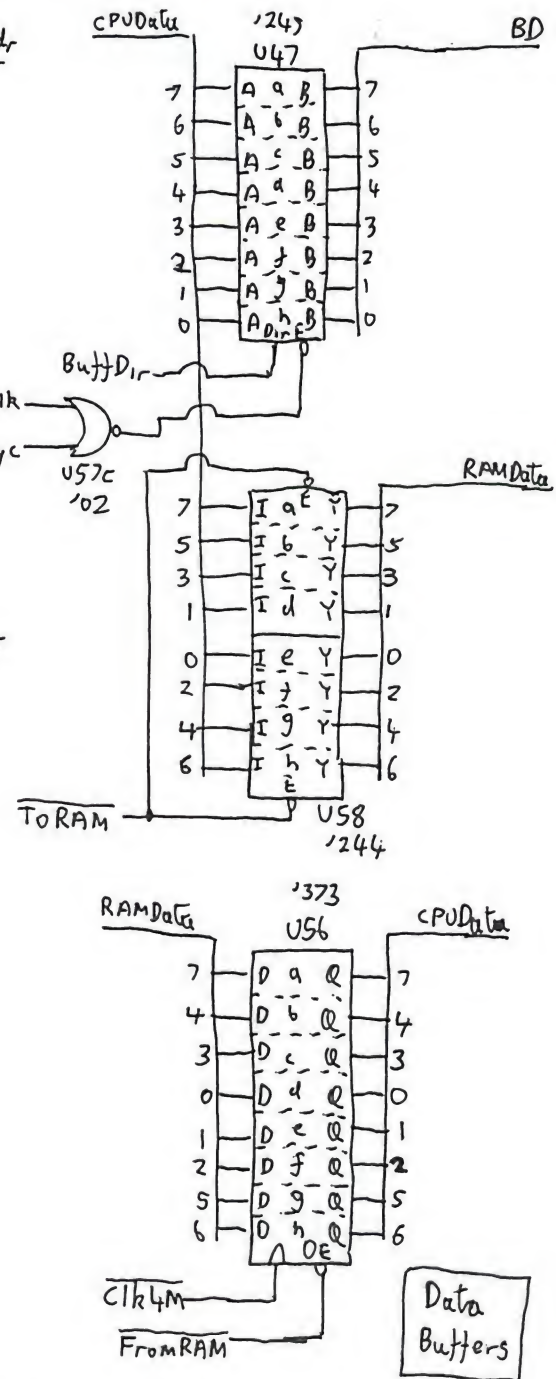
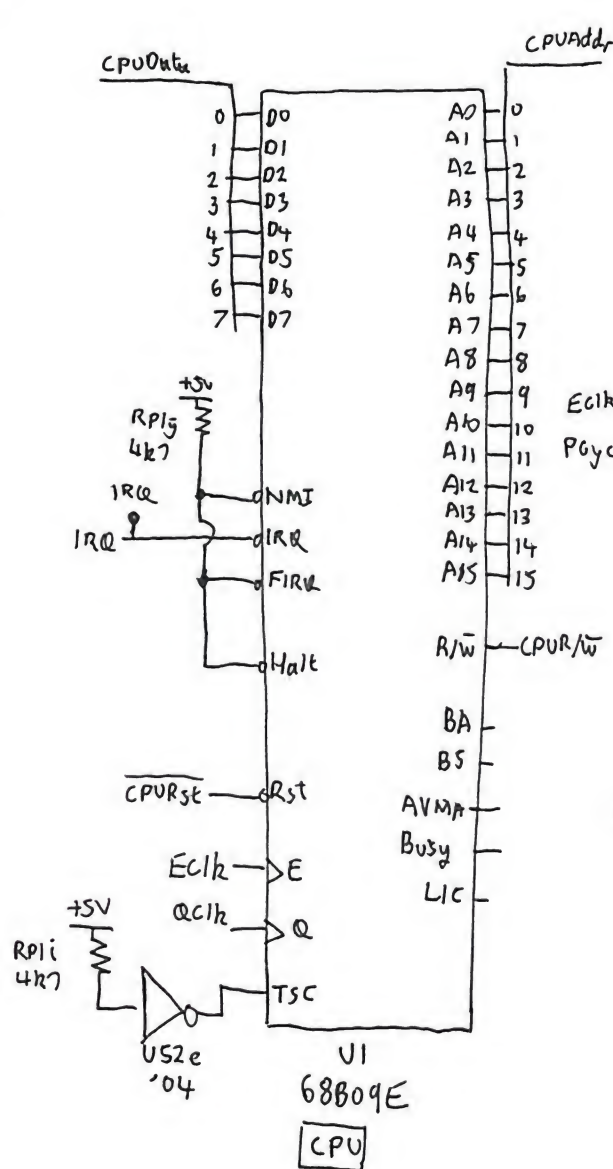
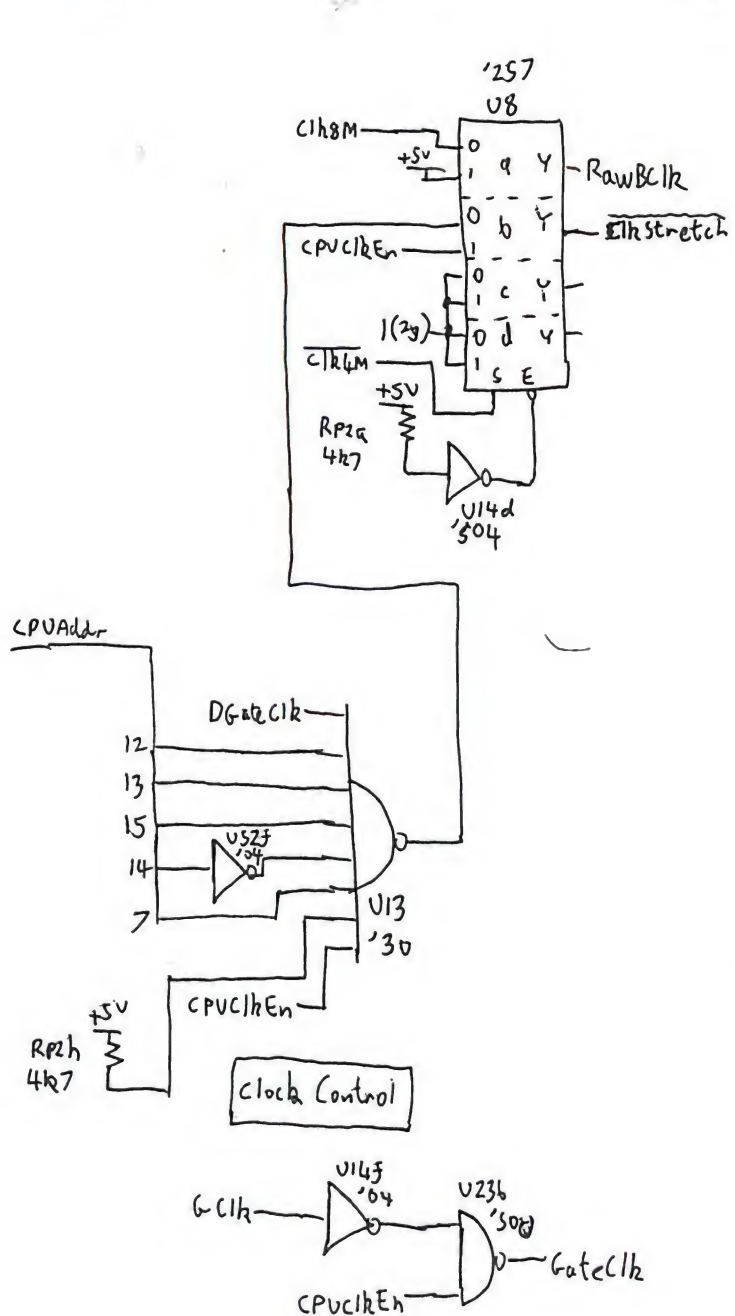
Hybrids

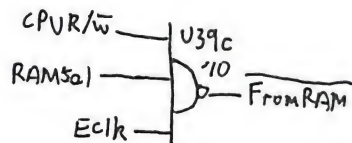
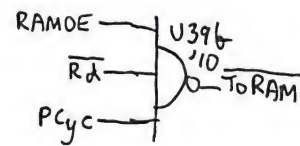
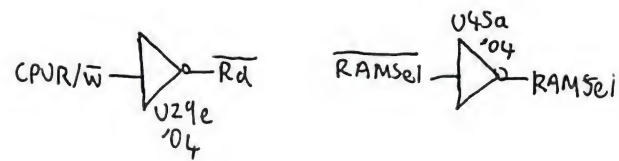
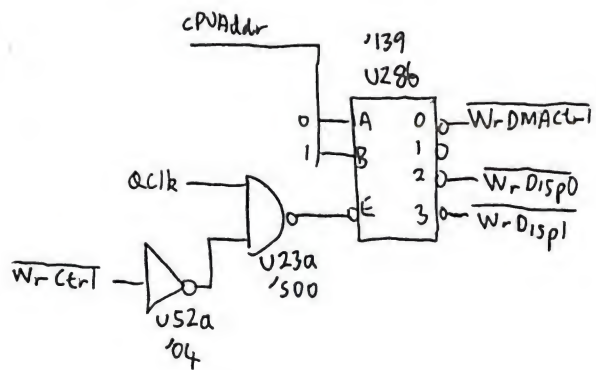


H204
09144-80103
(Write Driver)

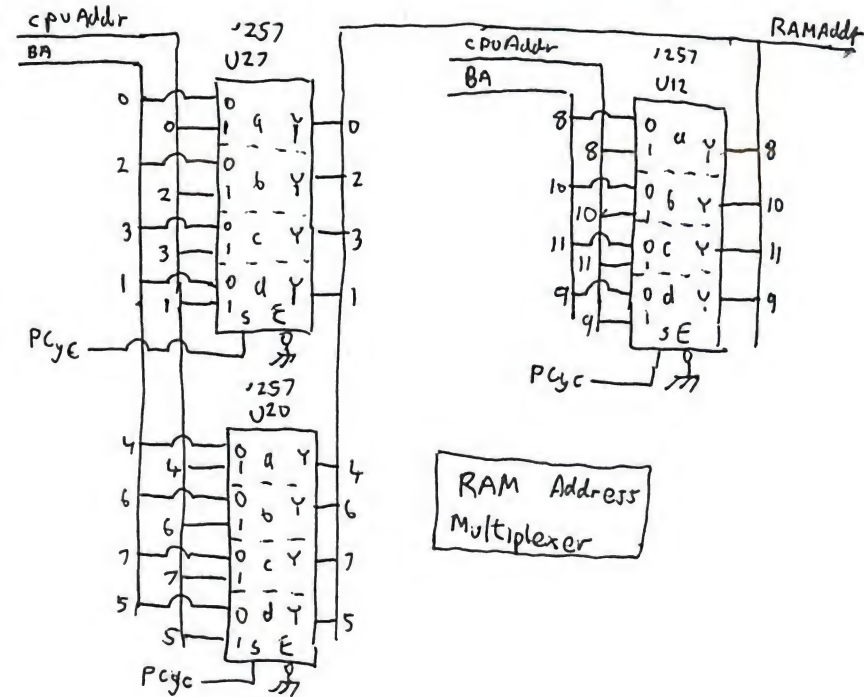
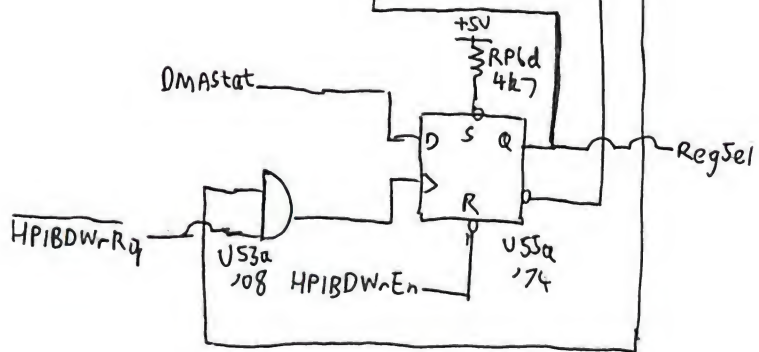
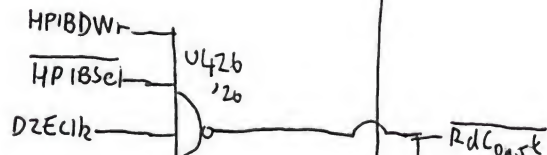
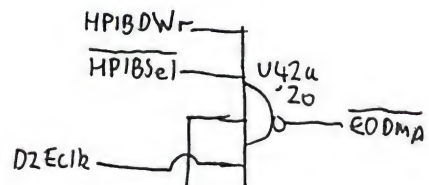


H301
09144-80100

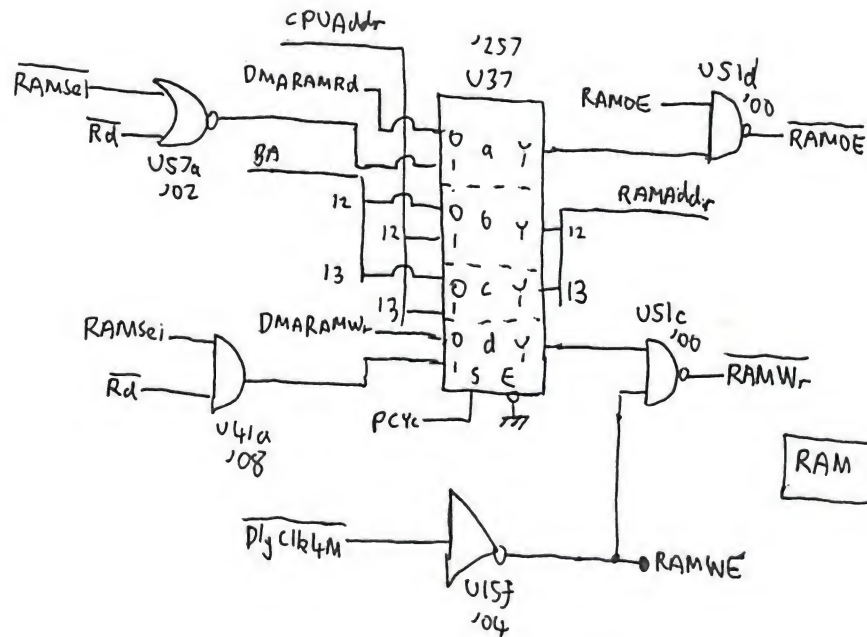




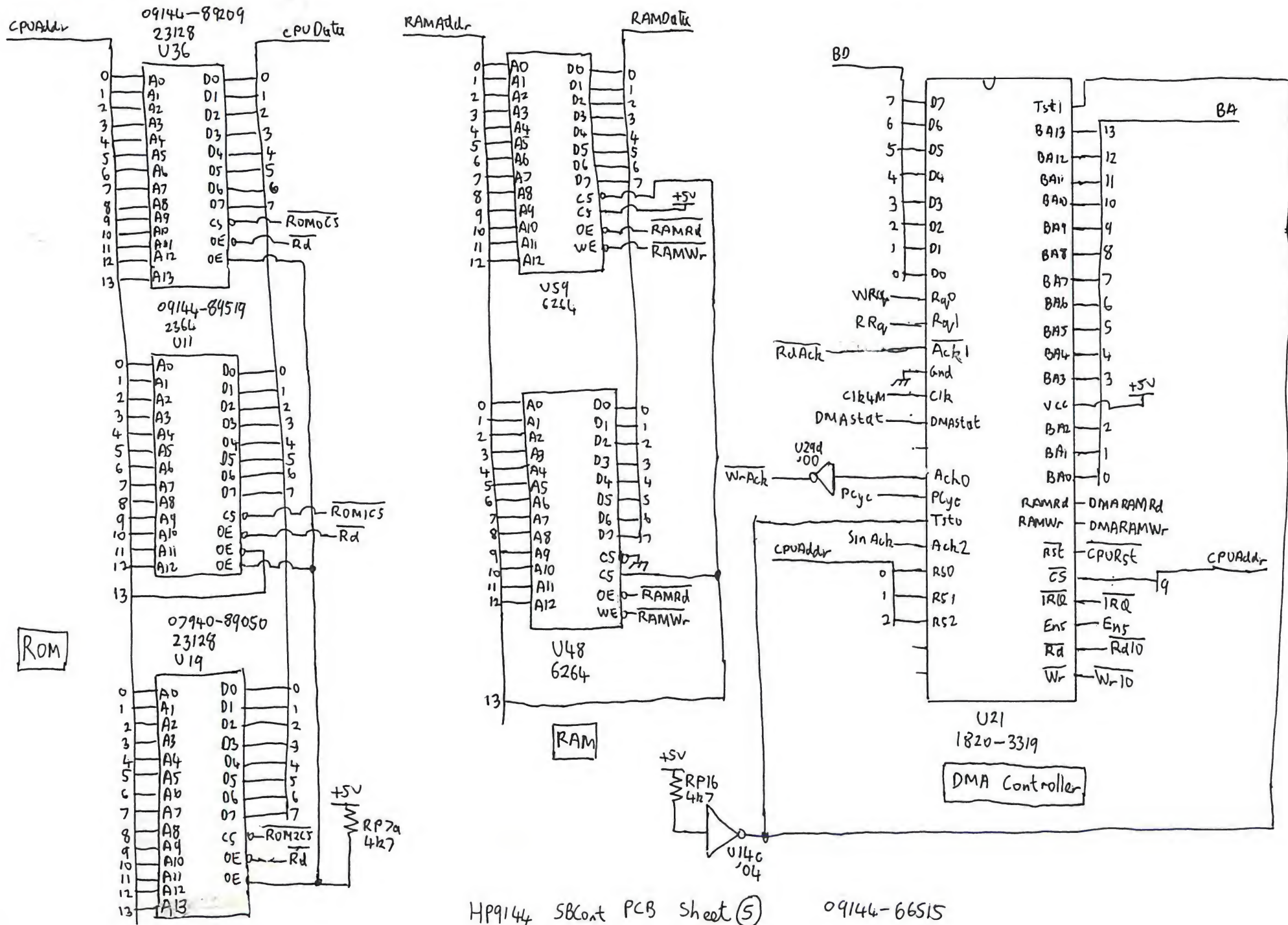
RAM Buffer Control

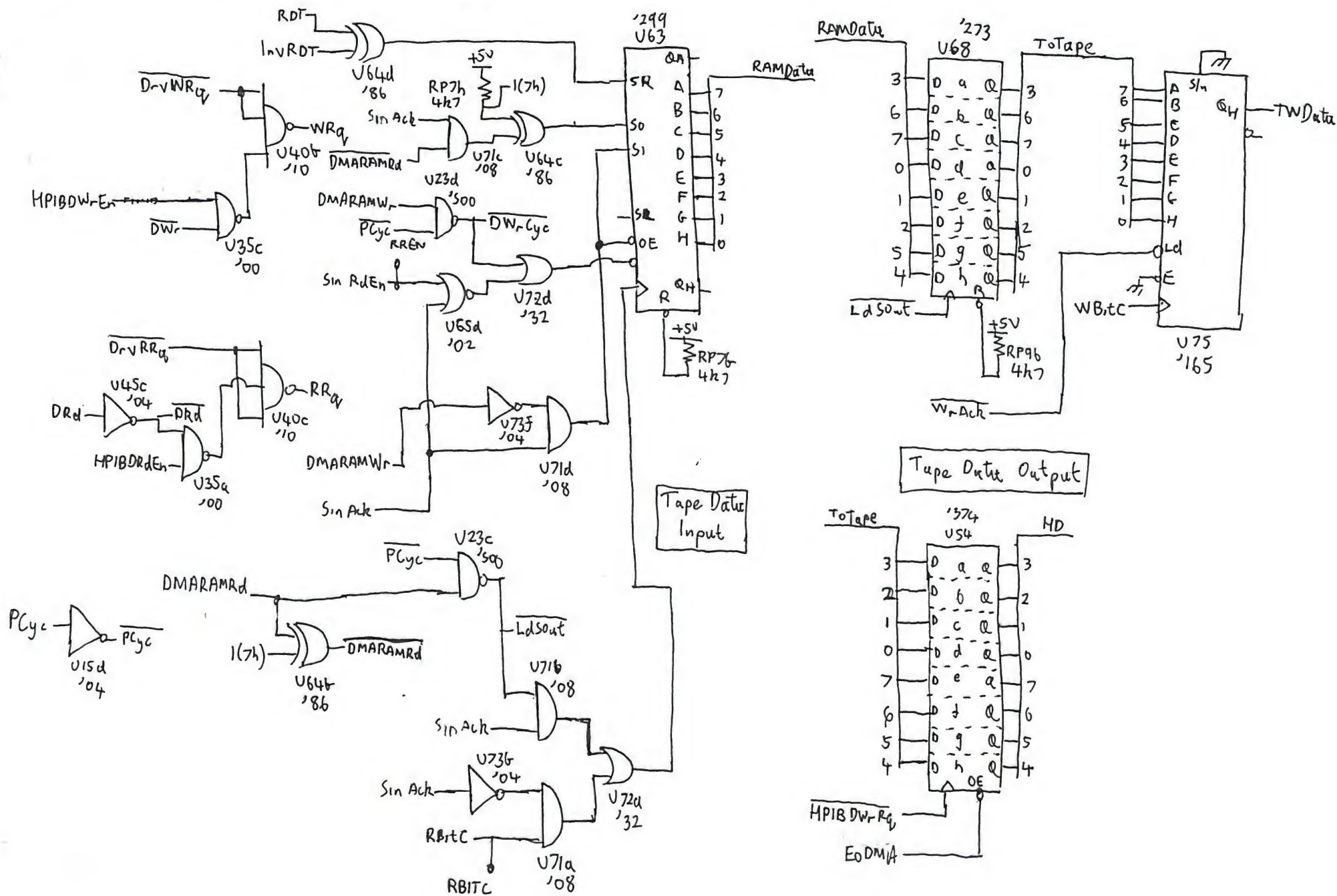


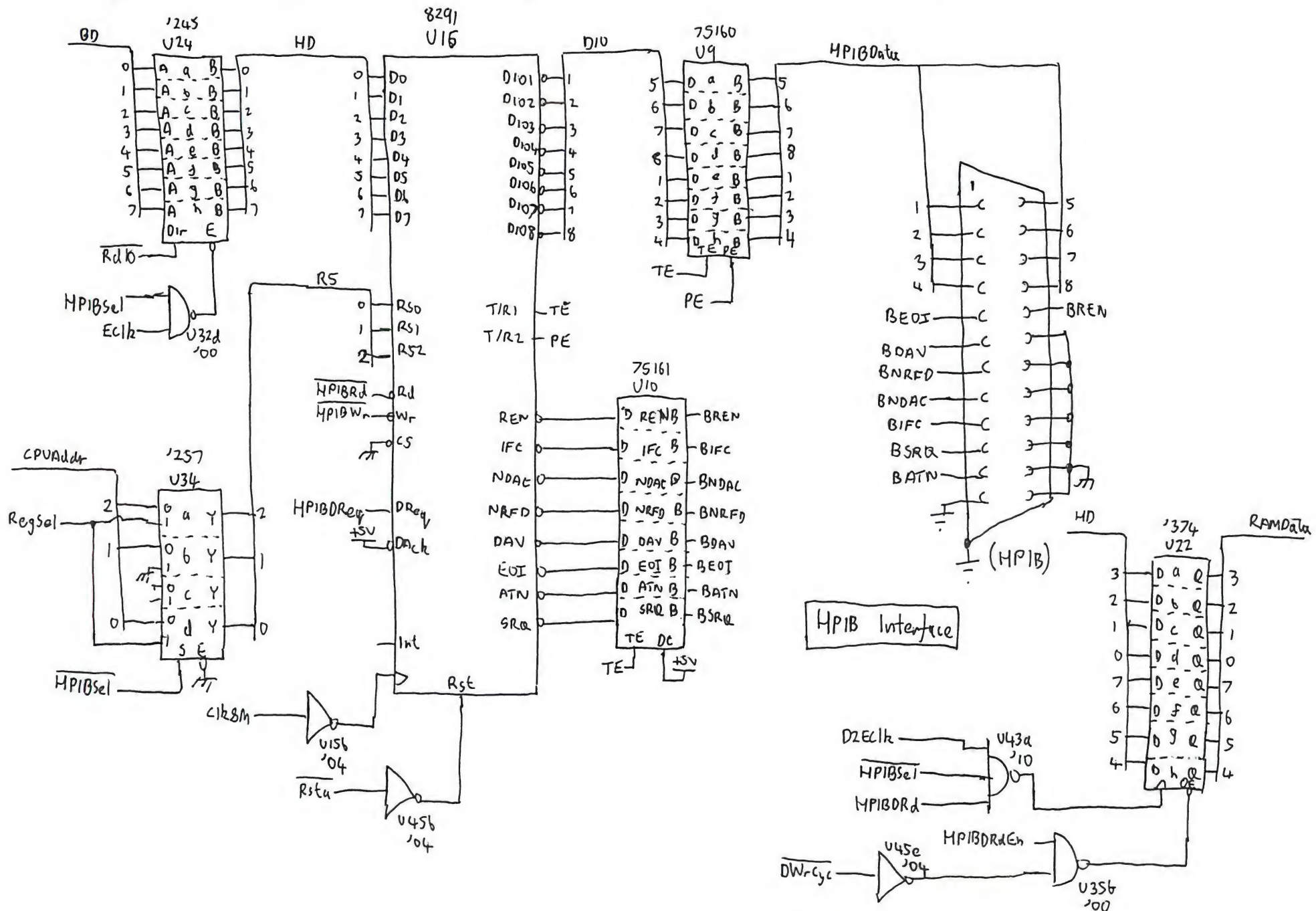
RAM Address Multiplexer

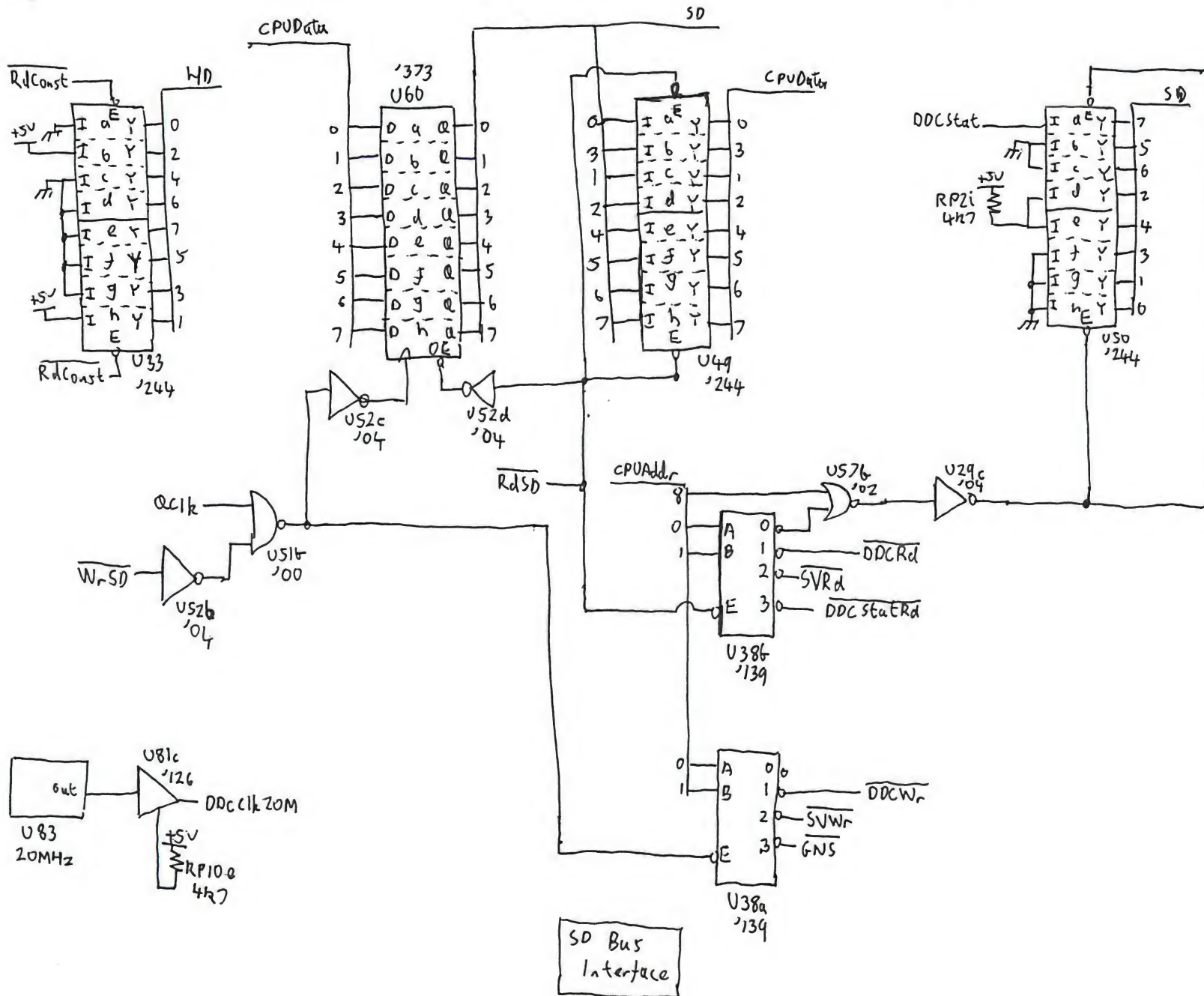


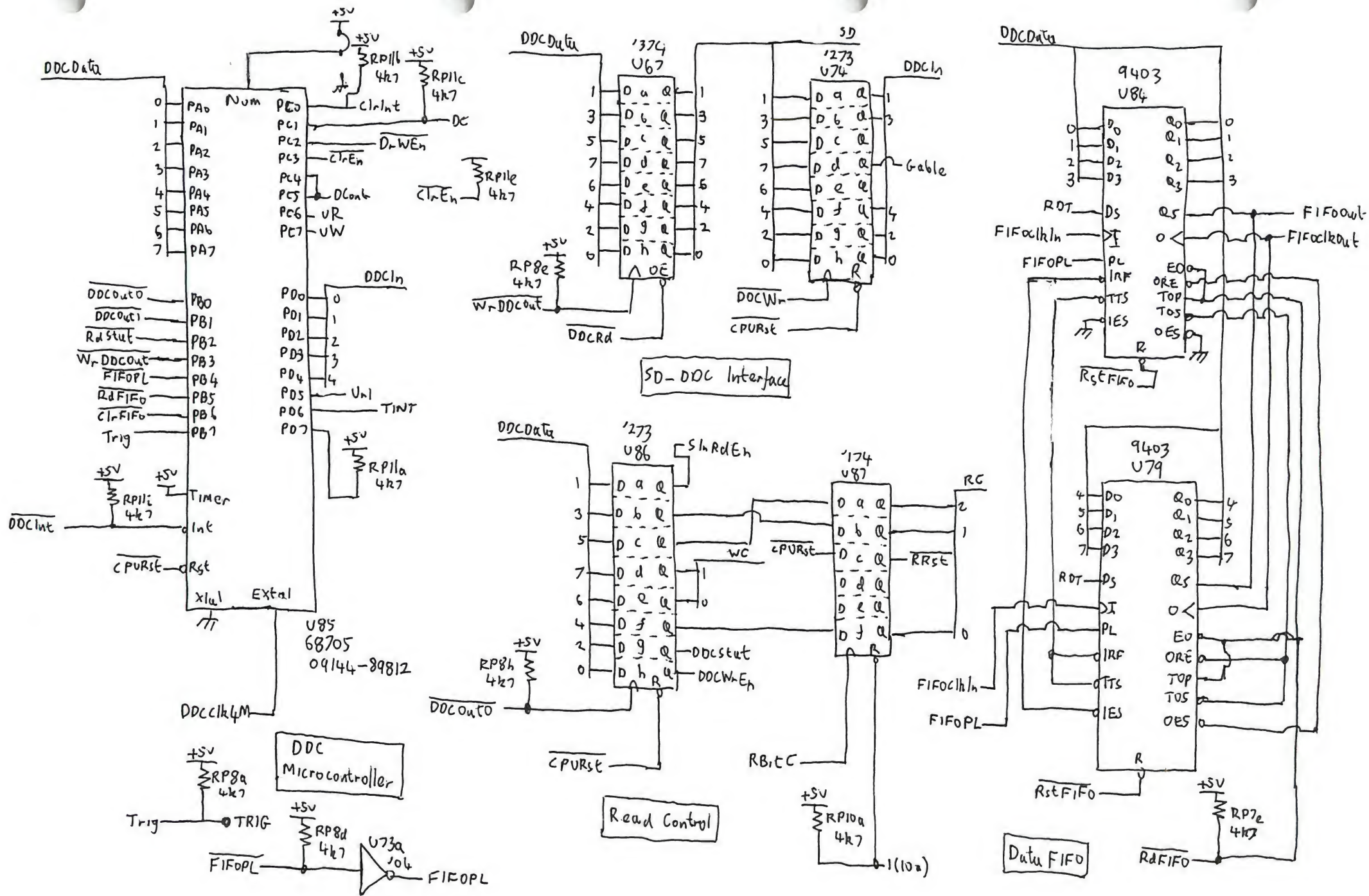
RAM Control

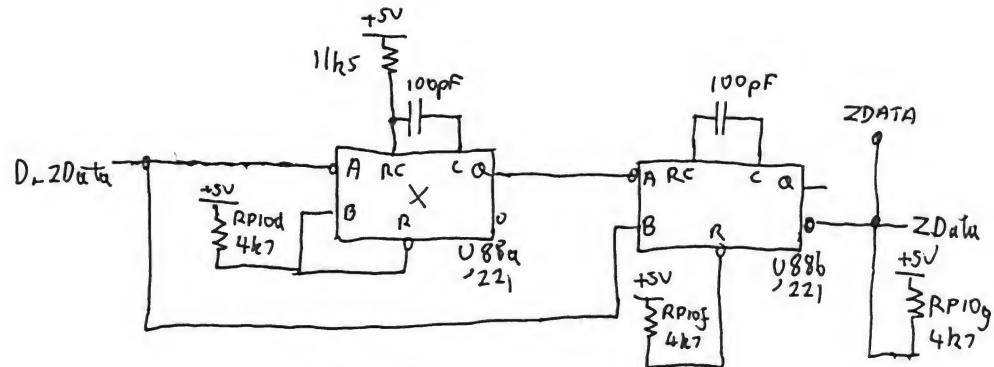
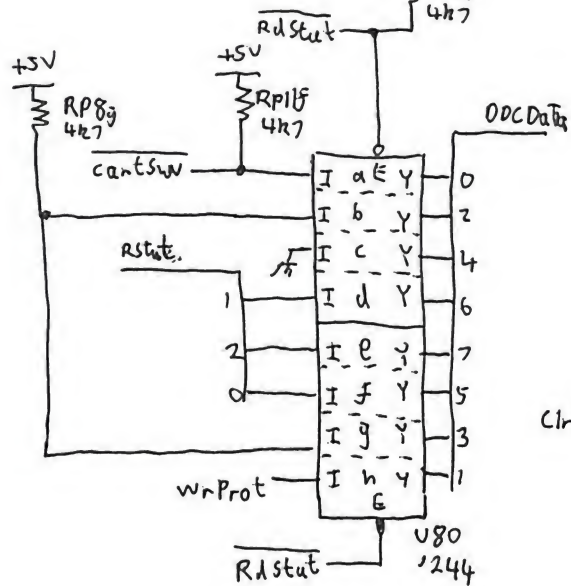
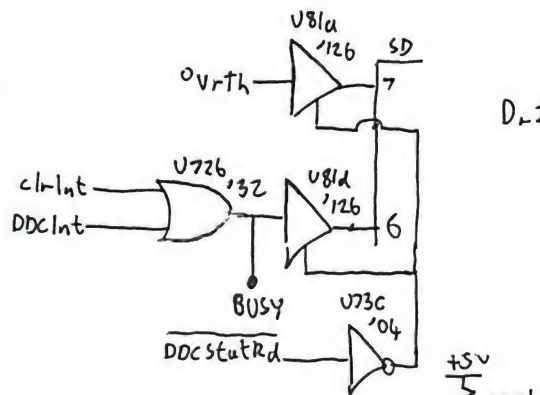
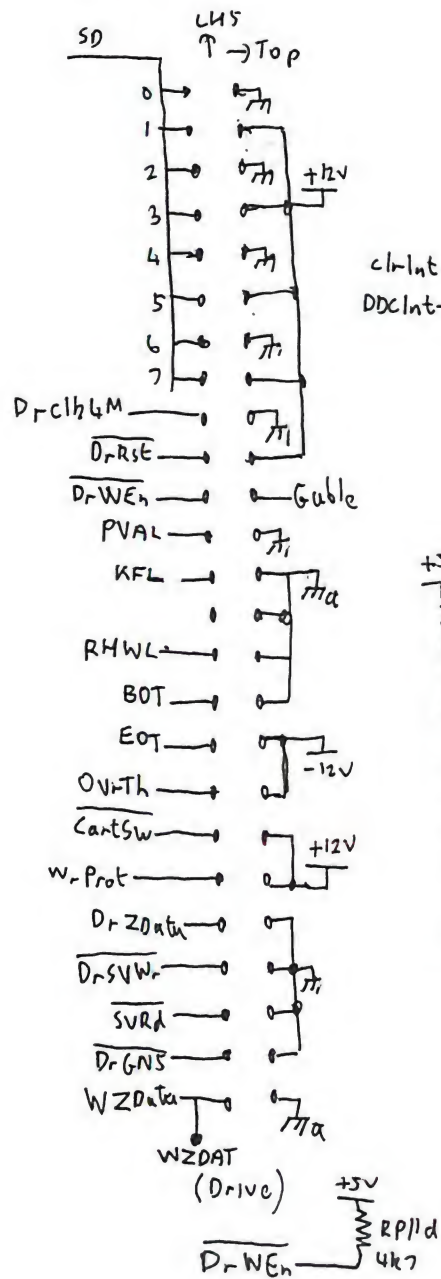




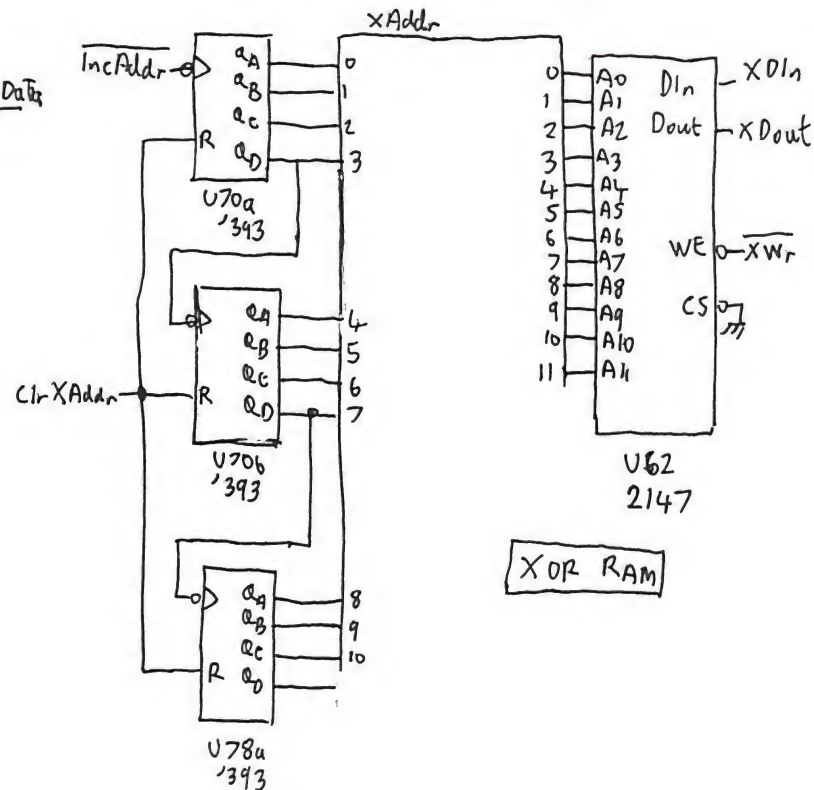


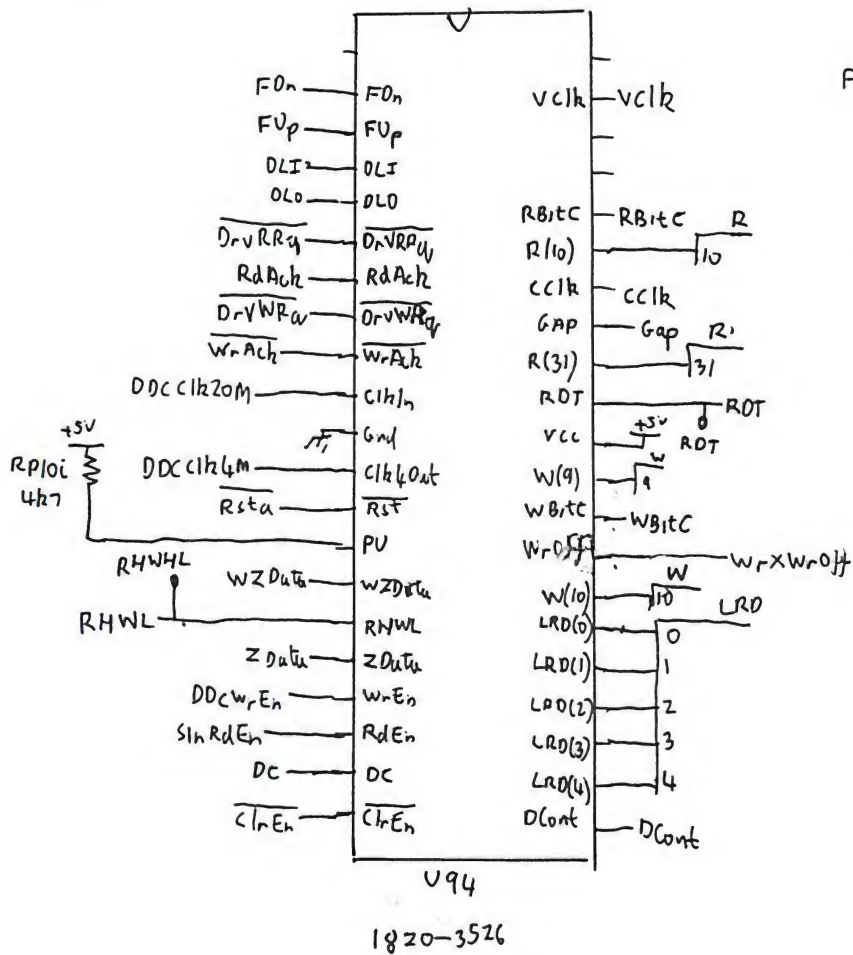






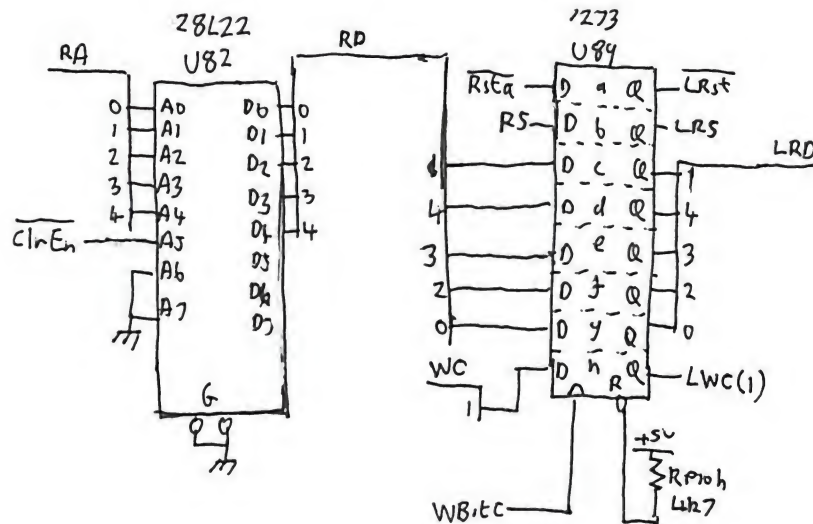
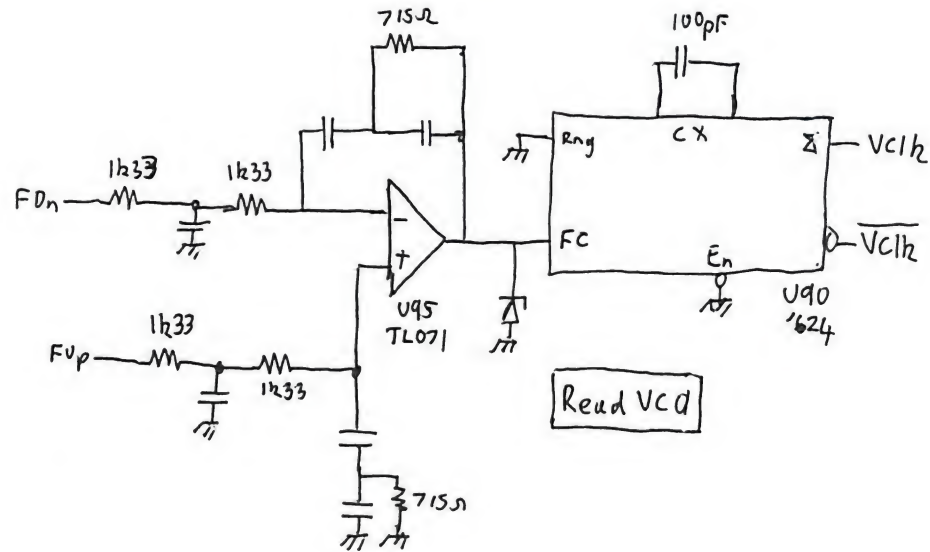
Read Data

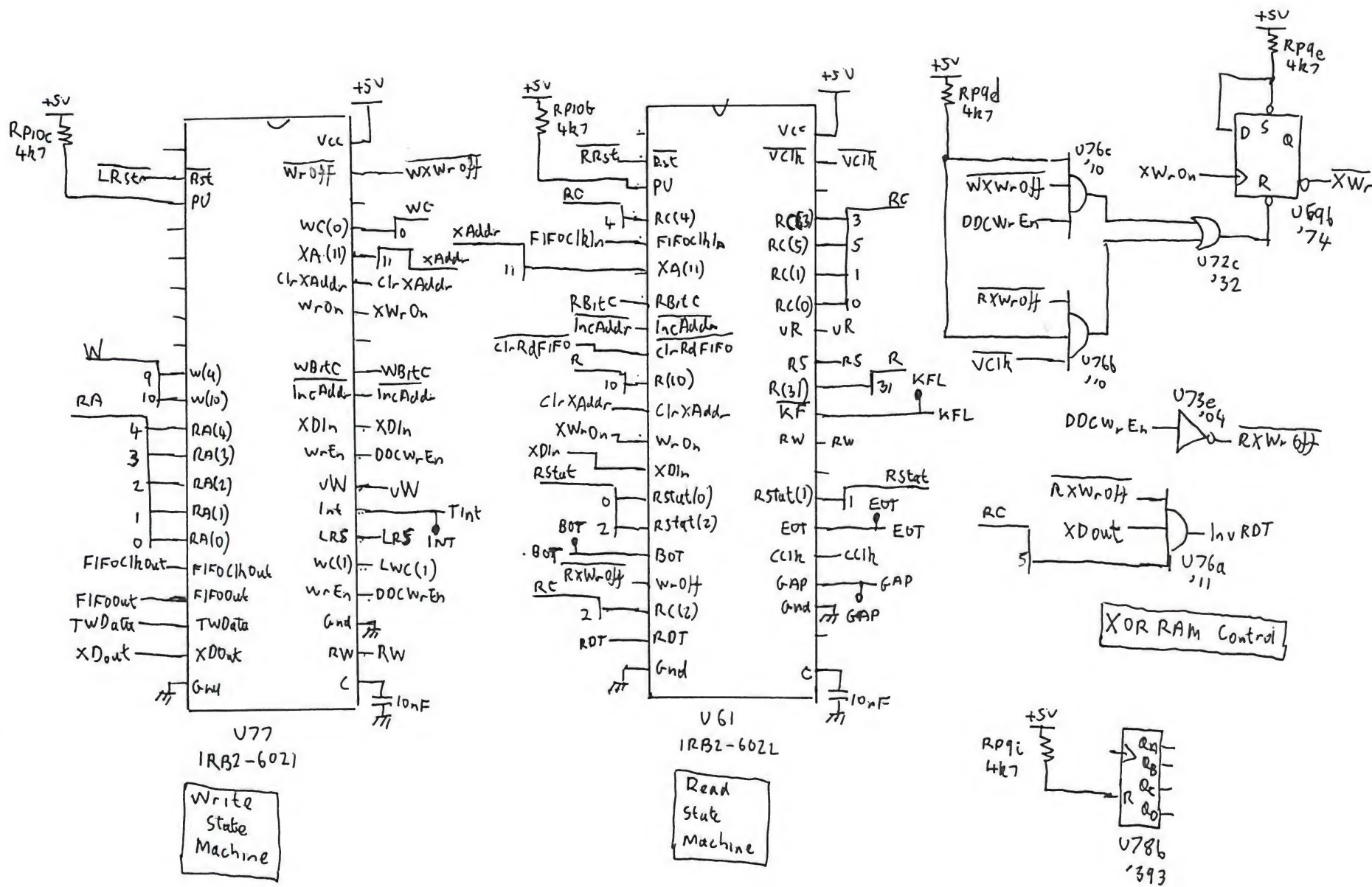


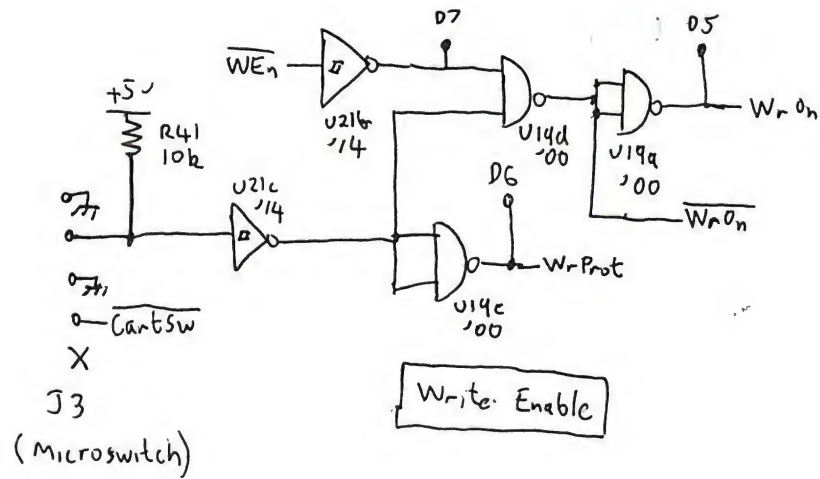
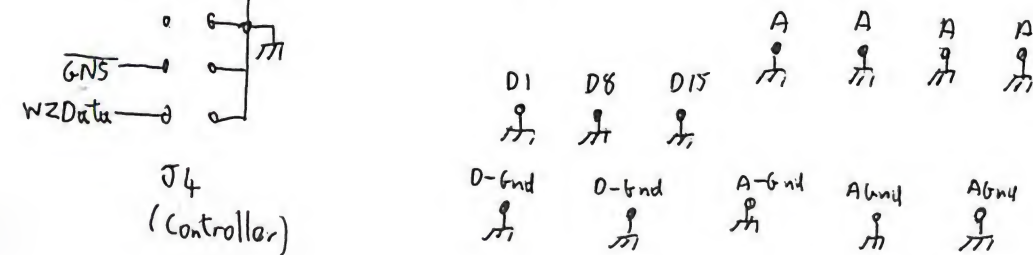
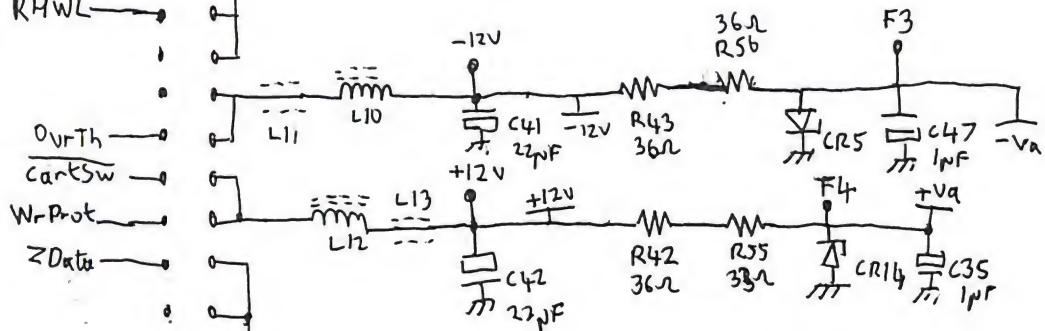
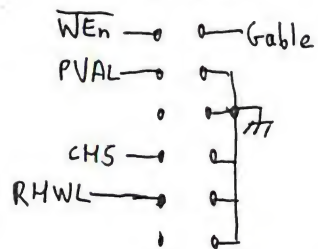
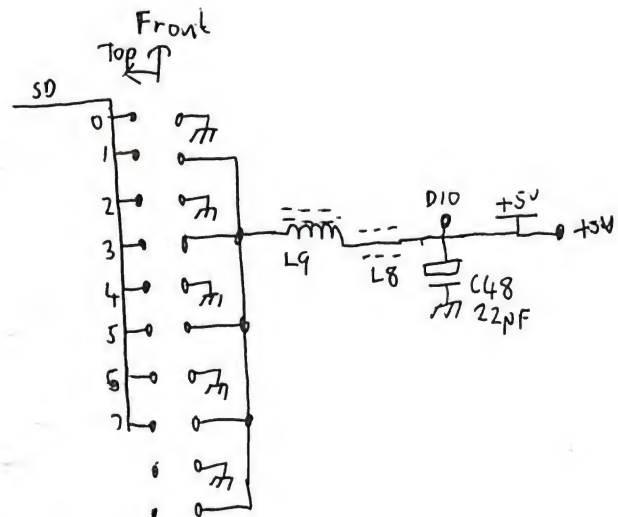


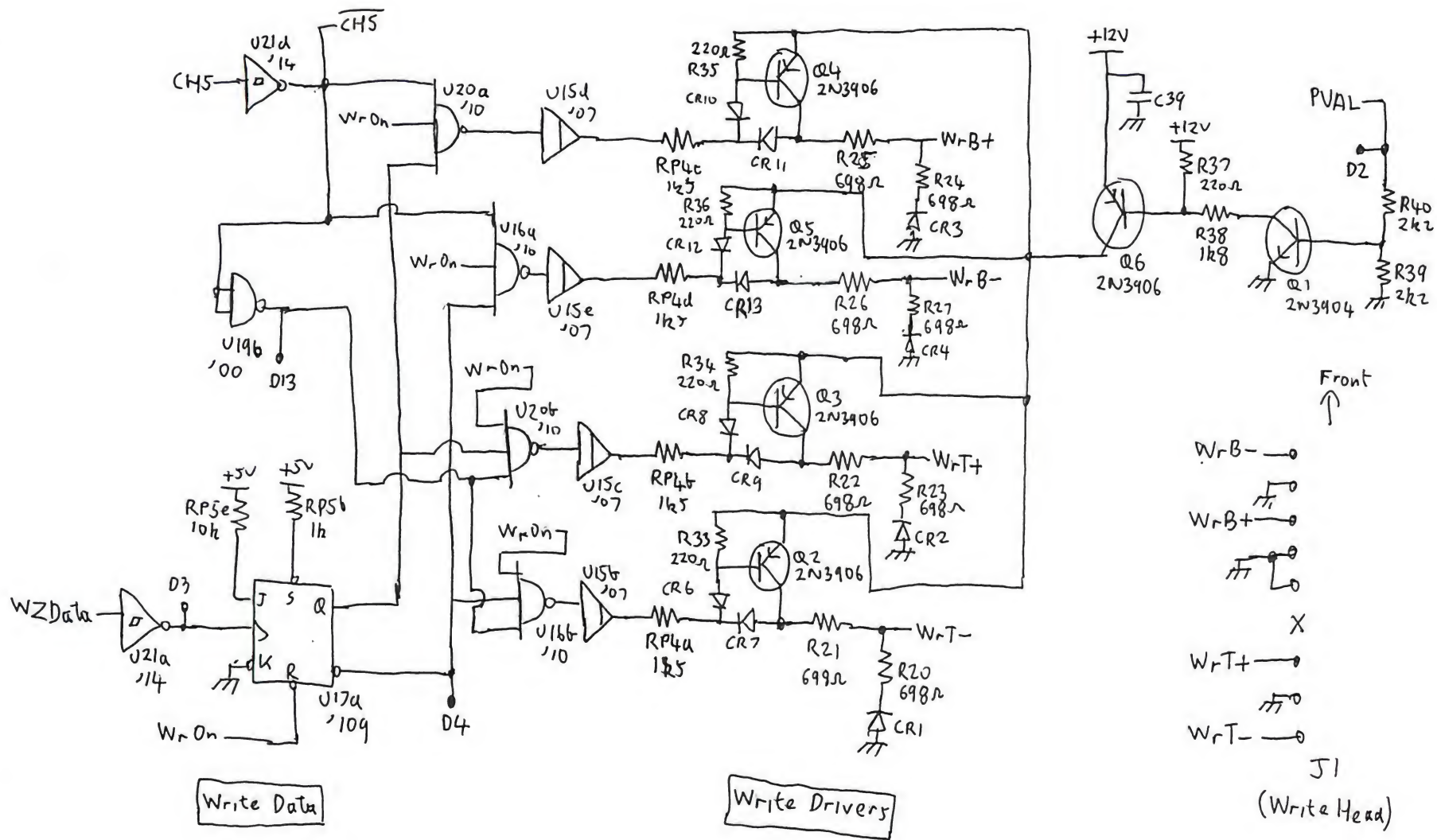
WB1tc → WB1TC

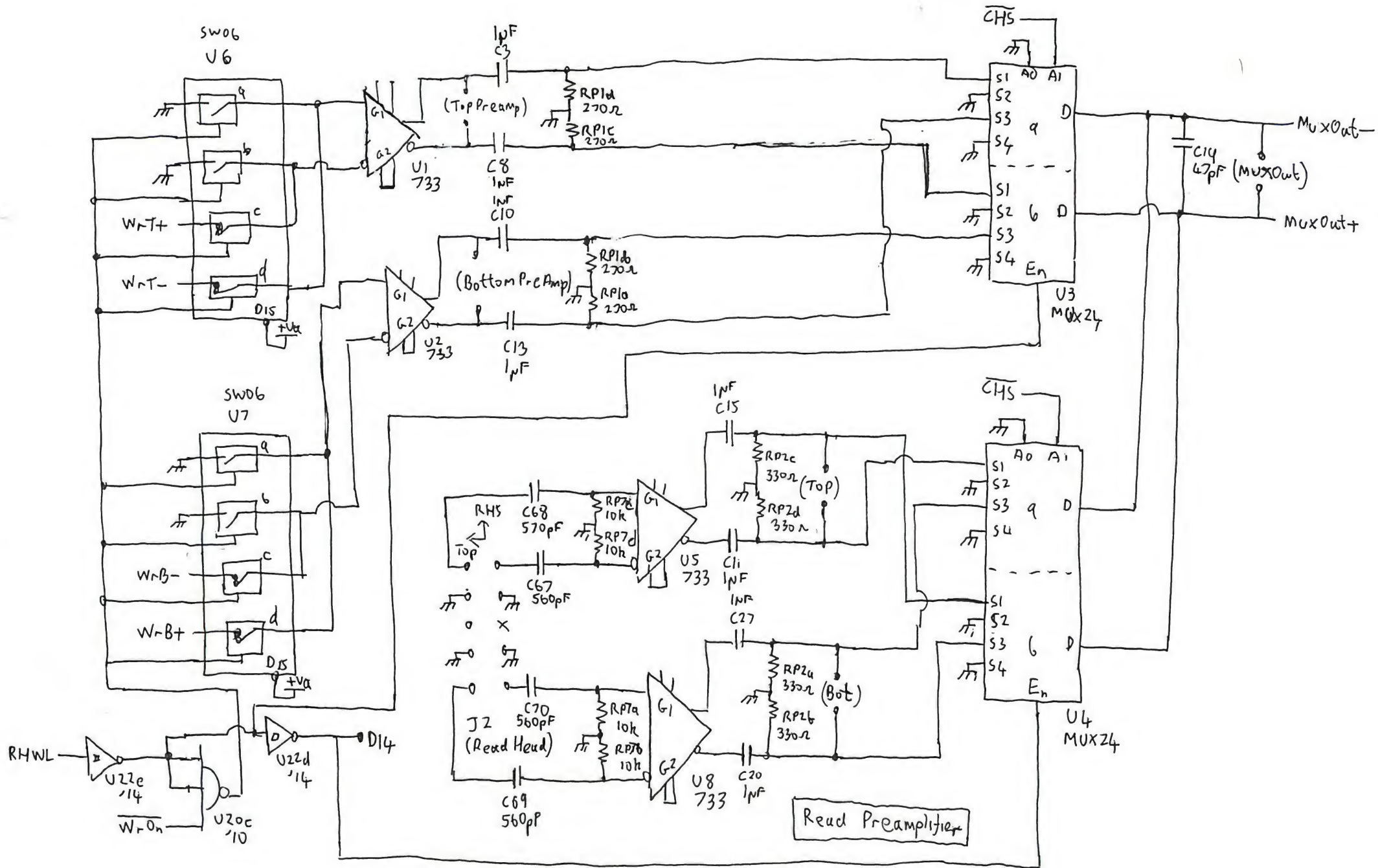
Drive Data
Control

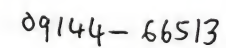


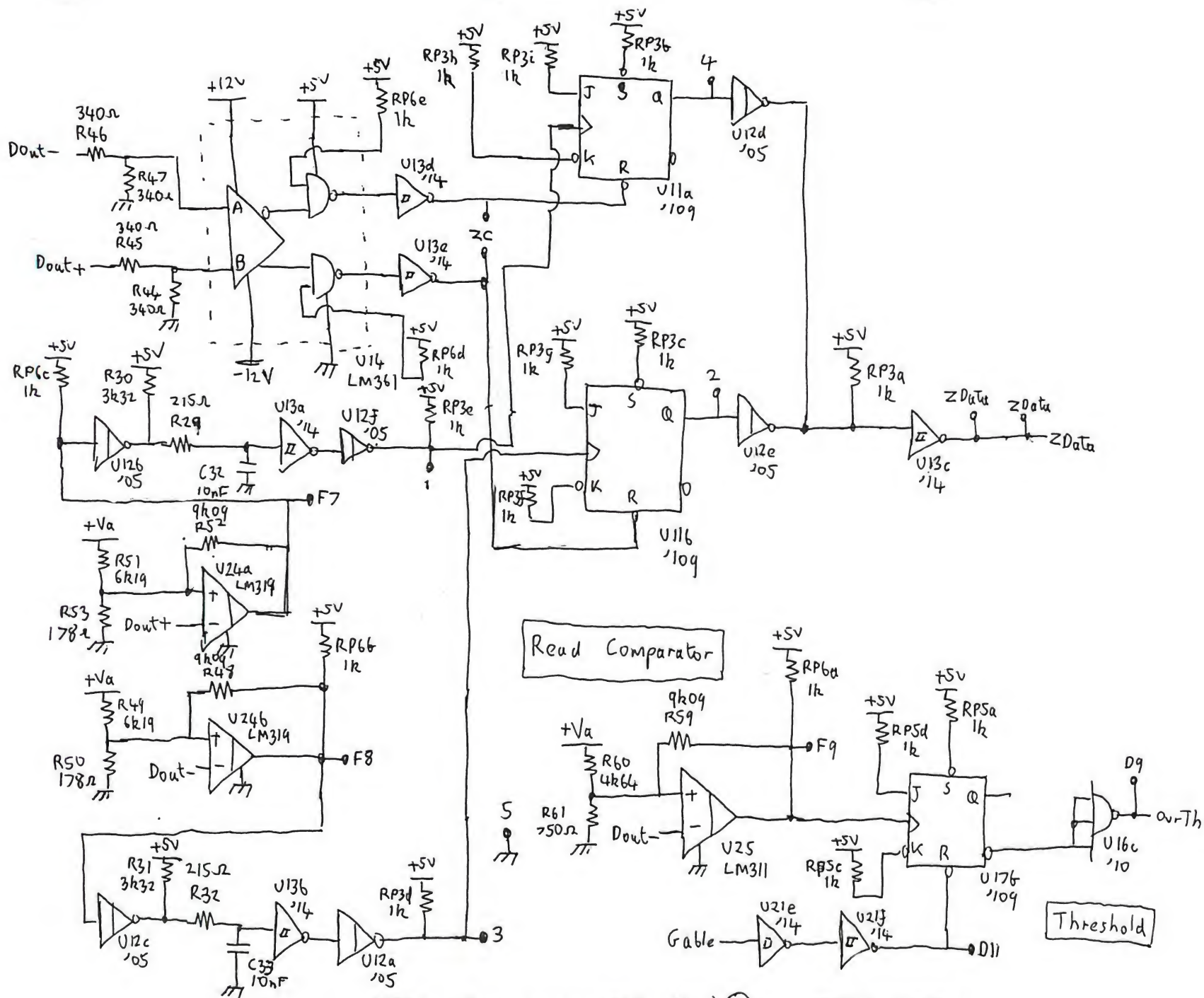


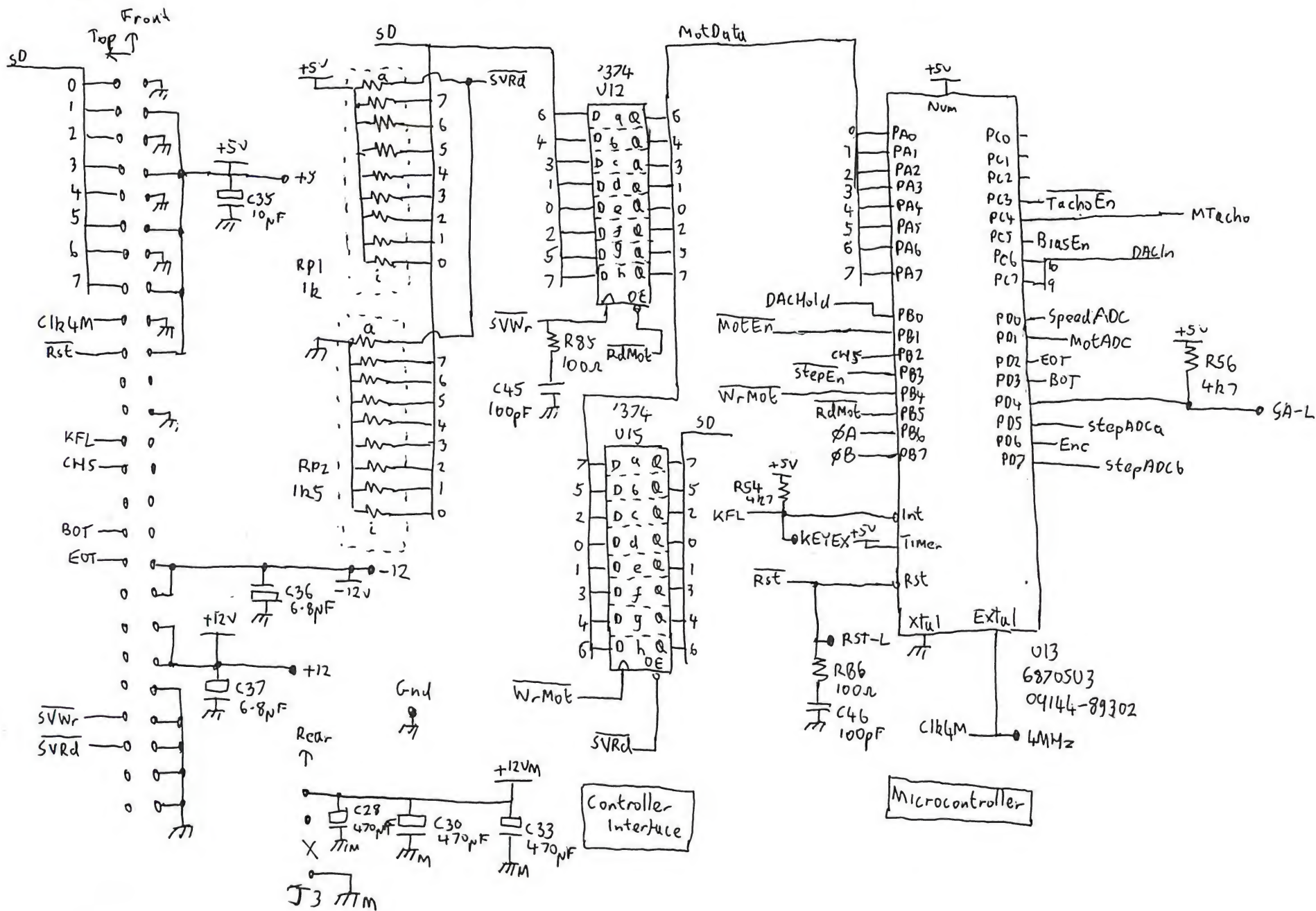


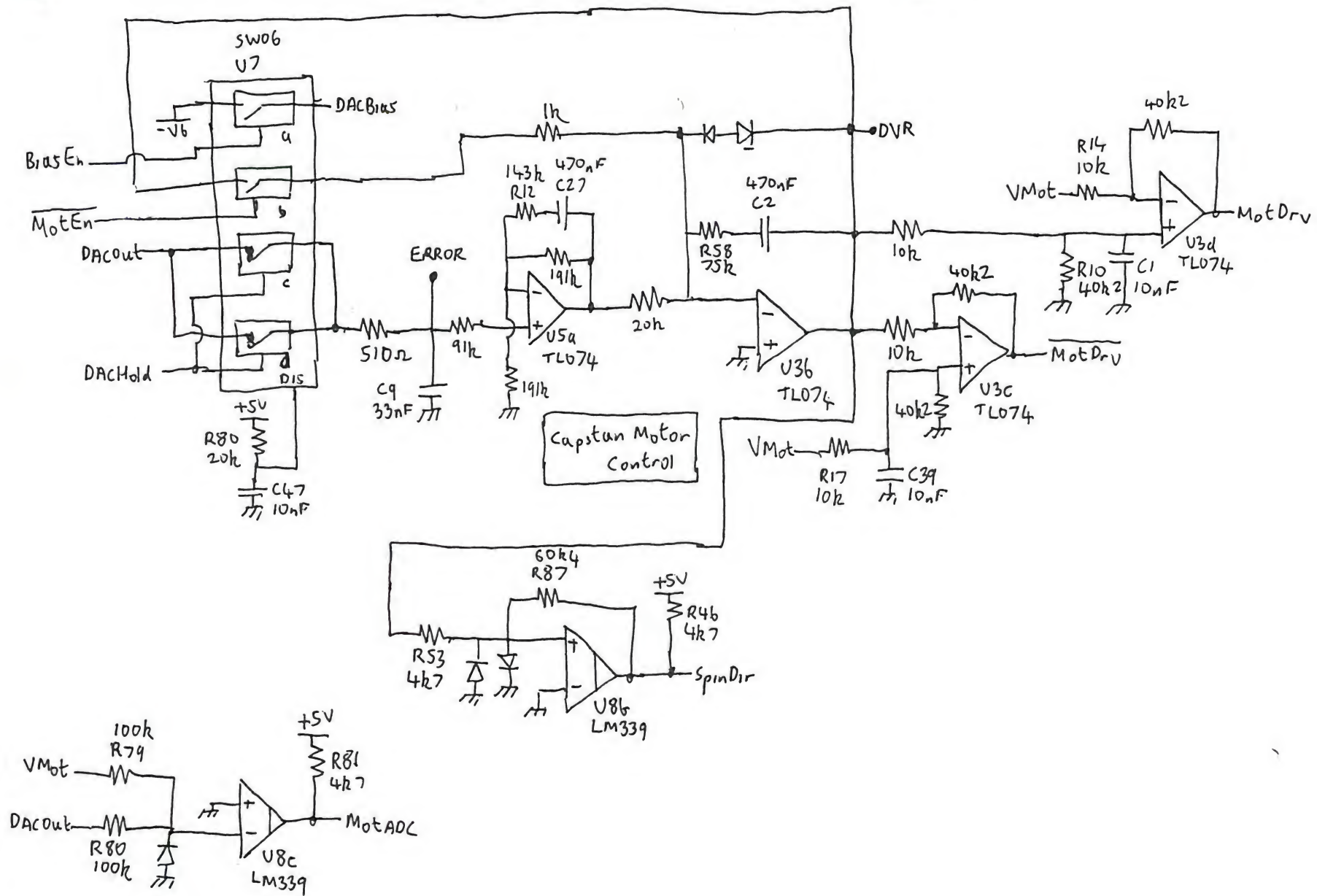


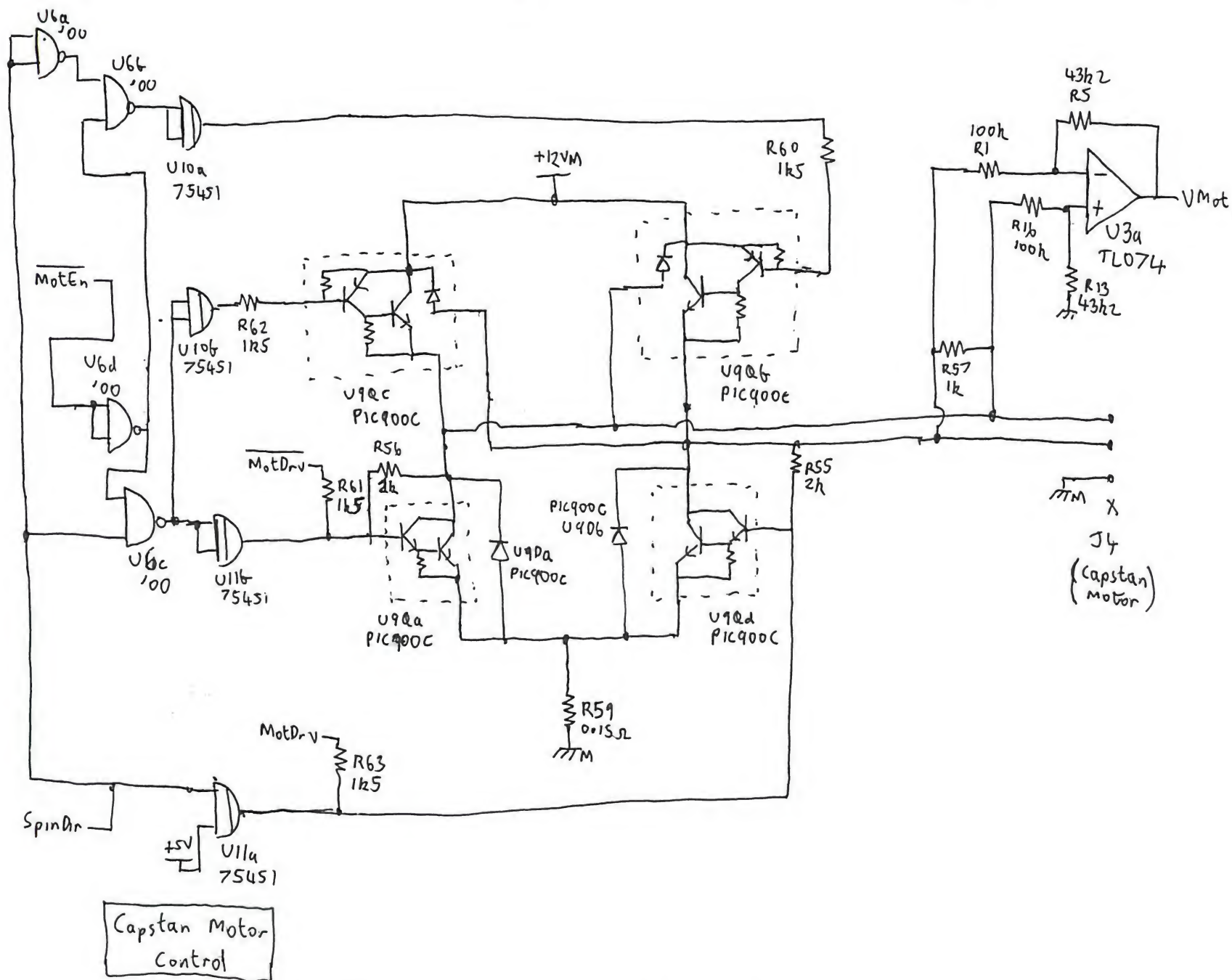


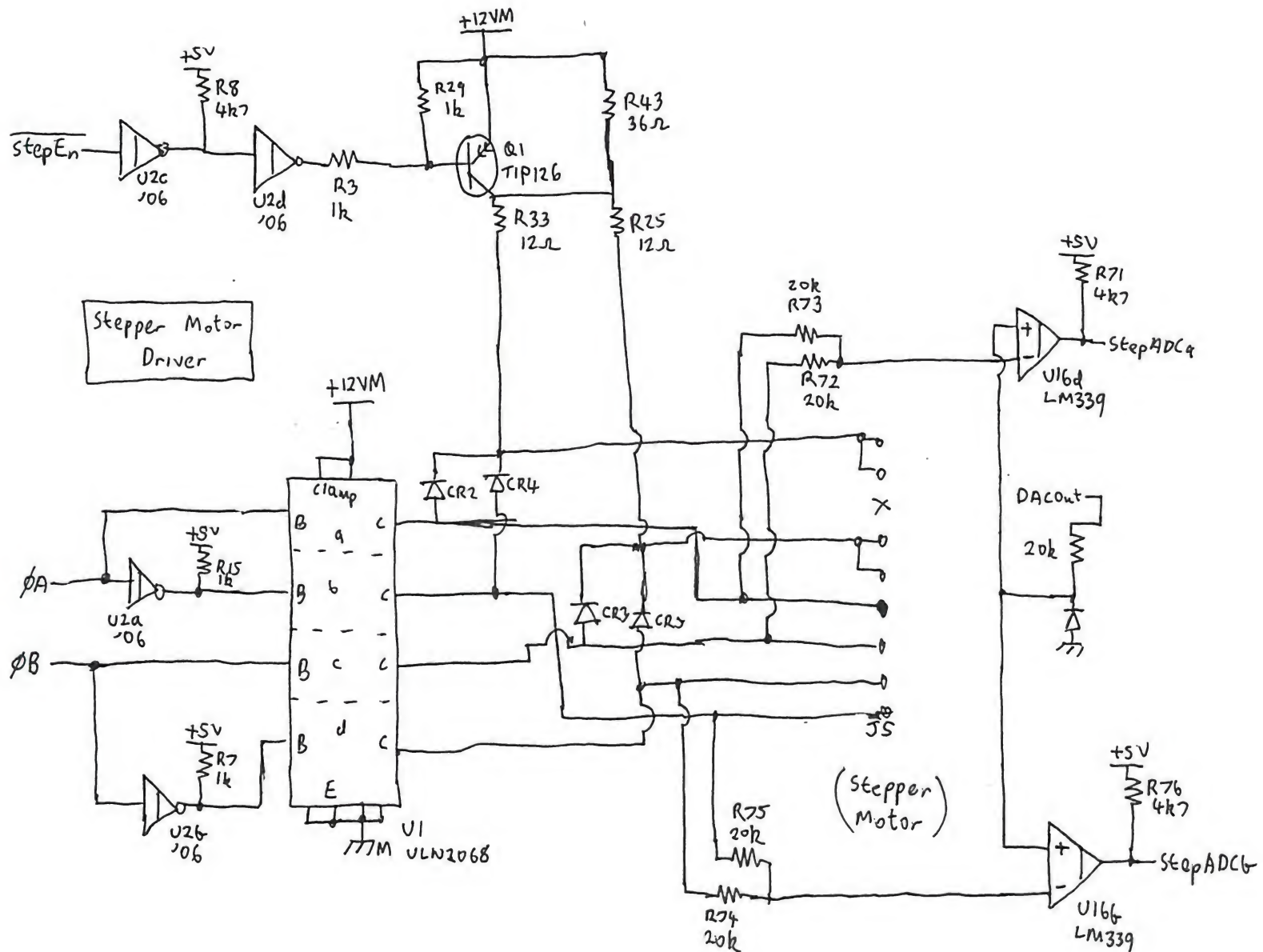


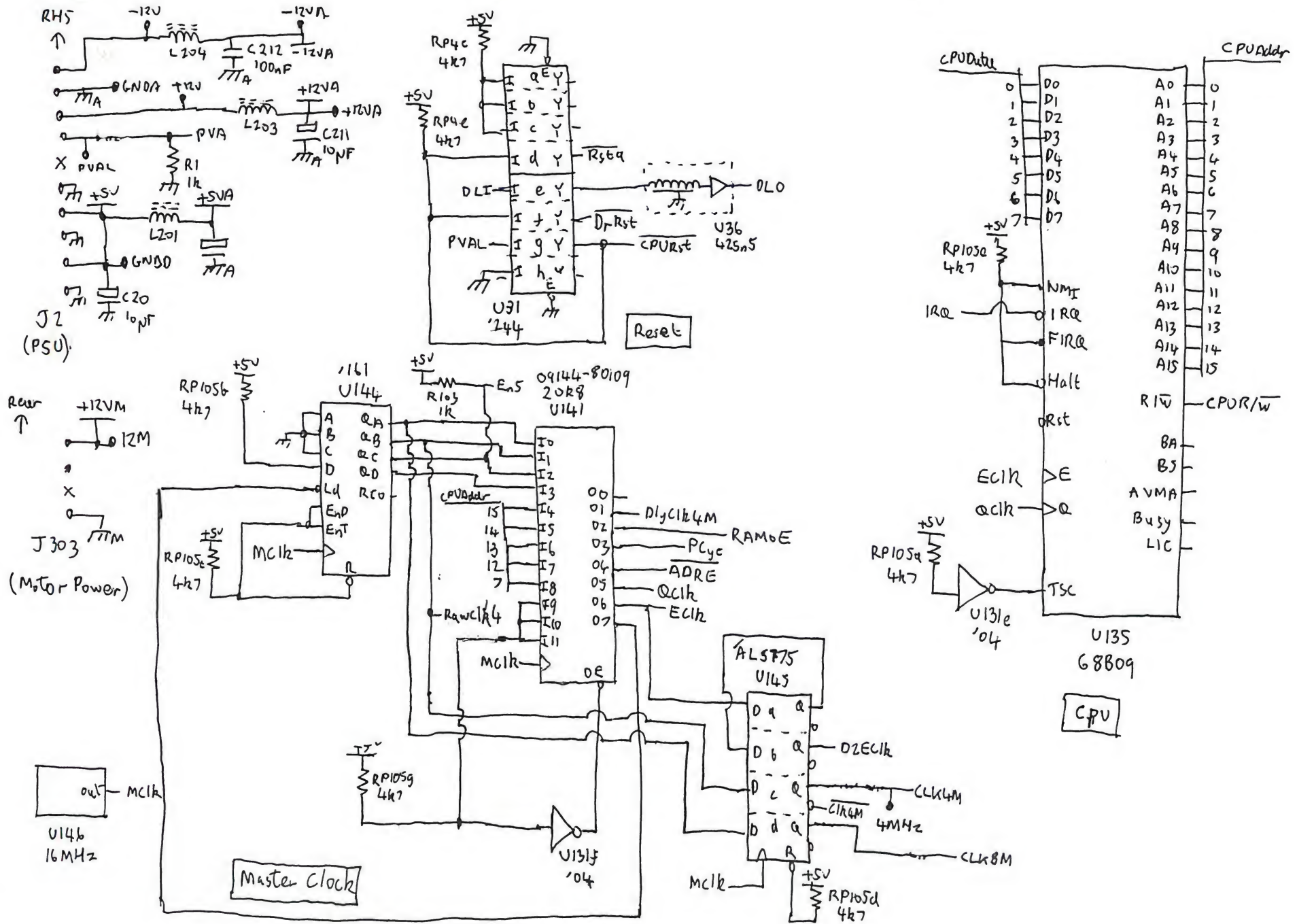


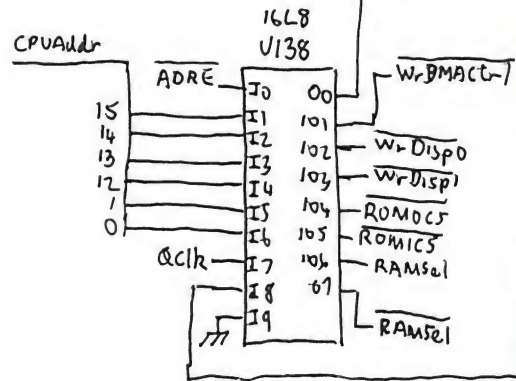
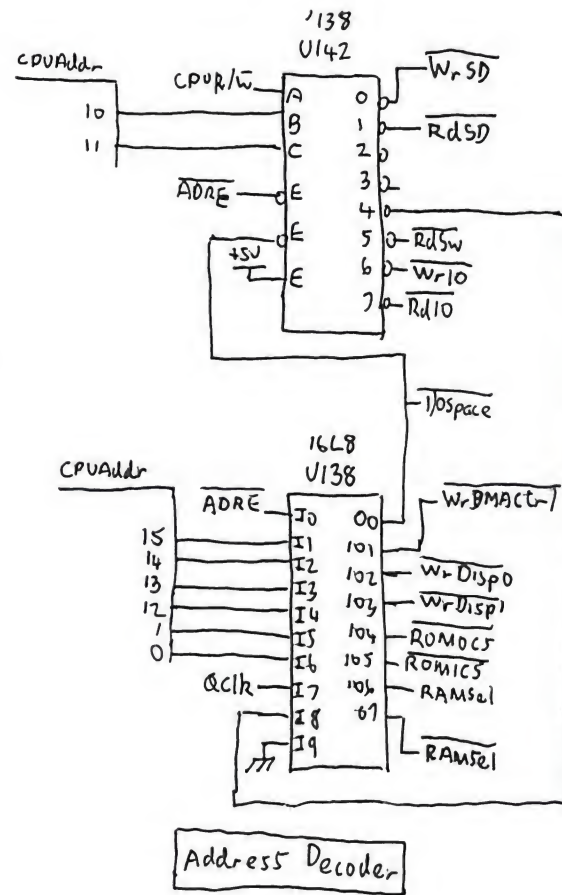
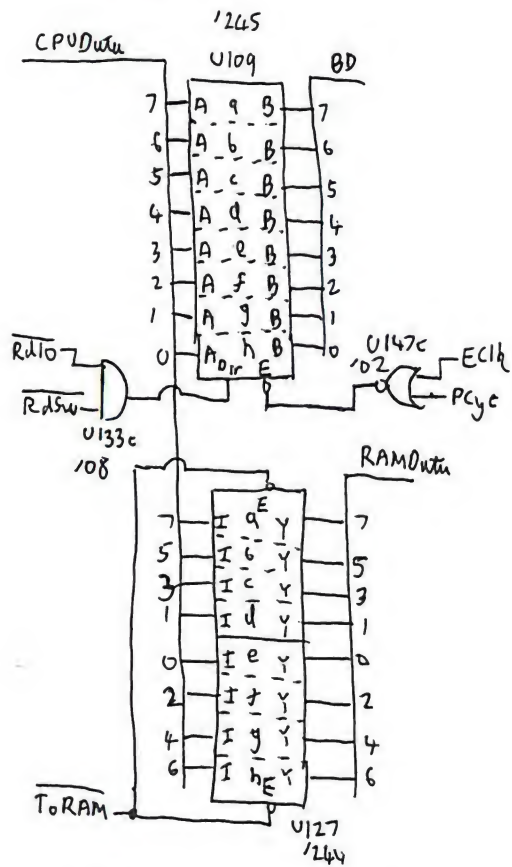




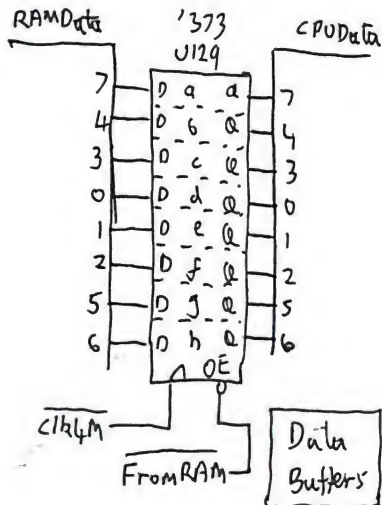
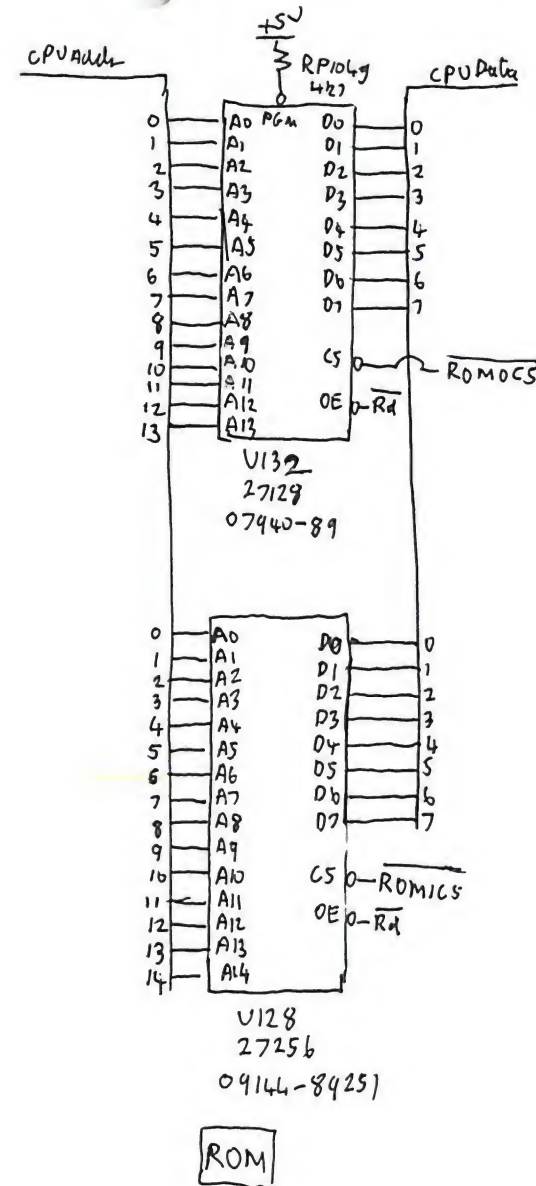
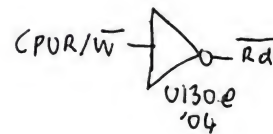


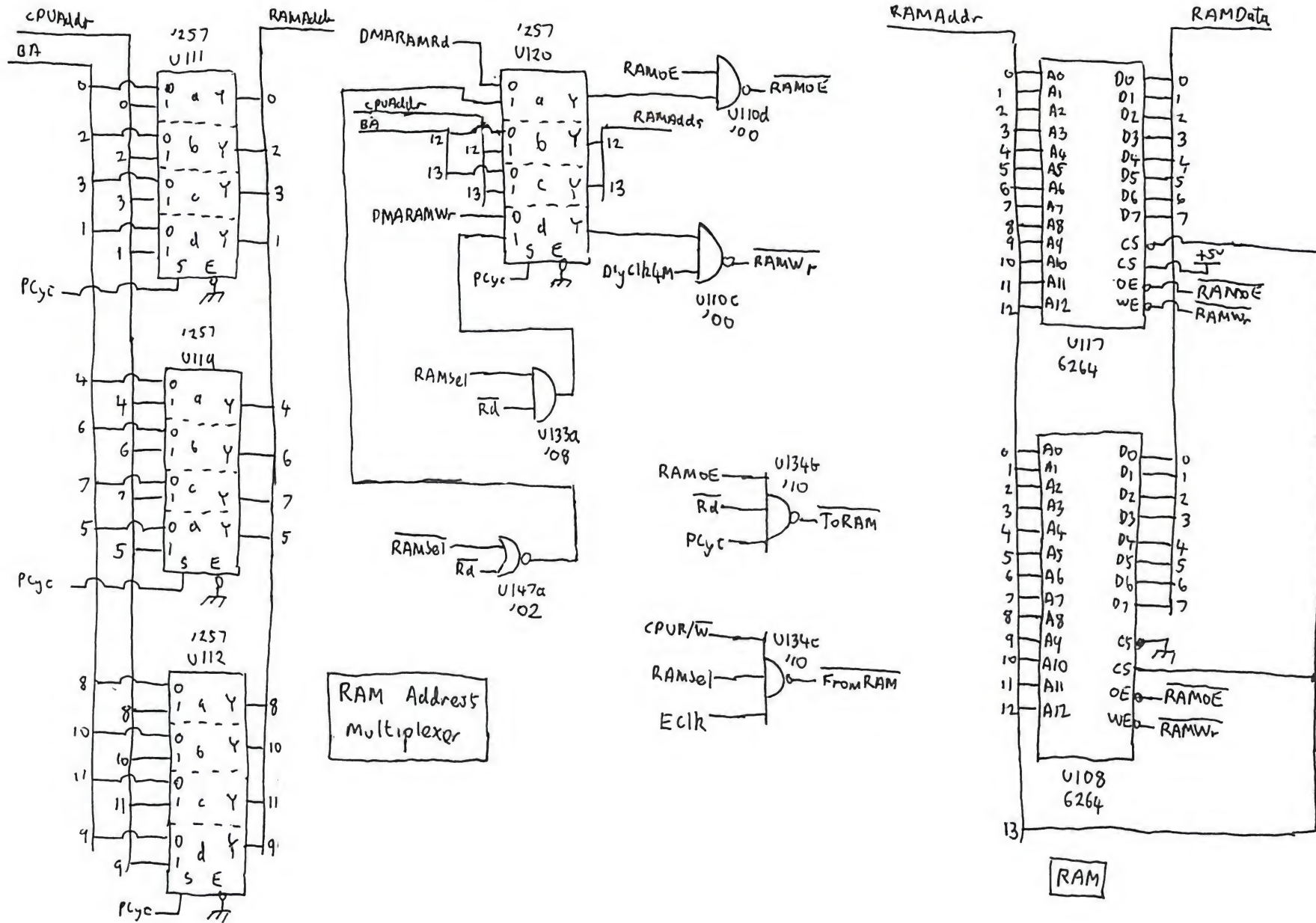


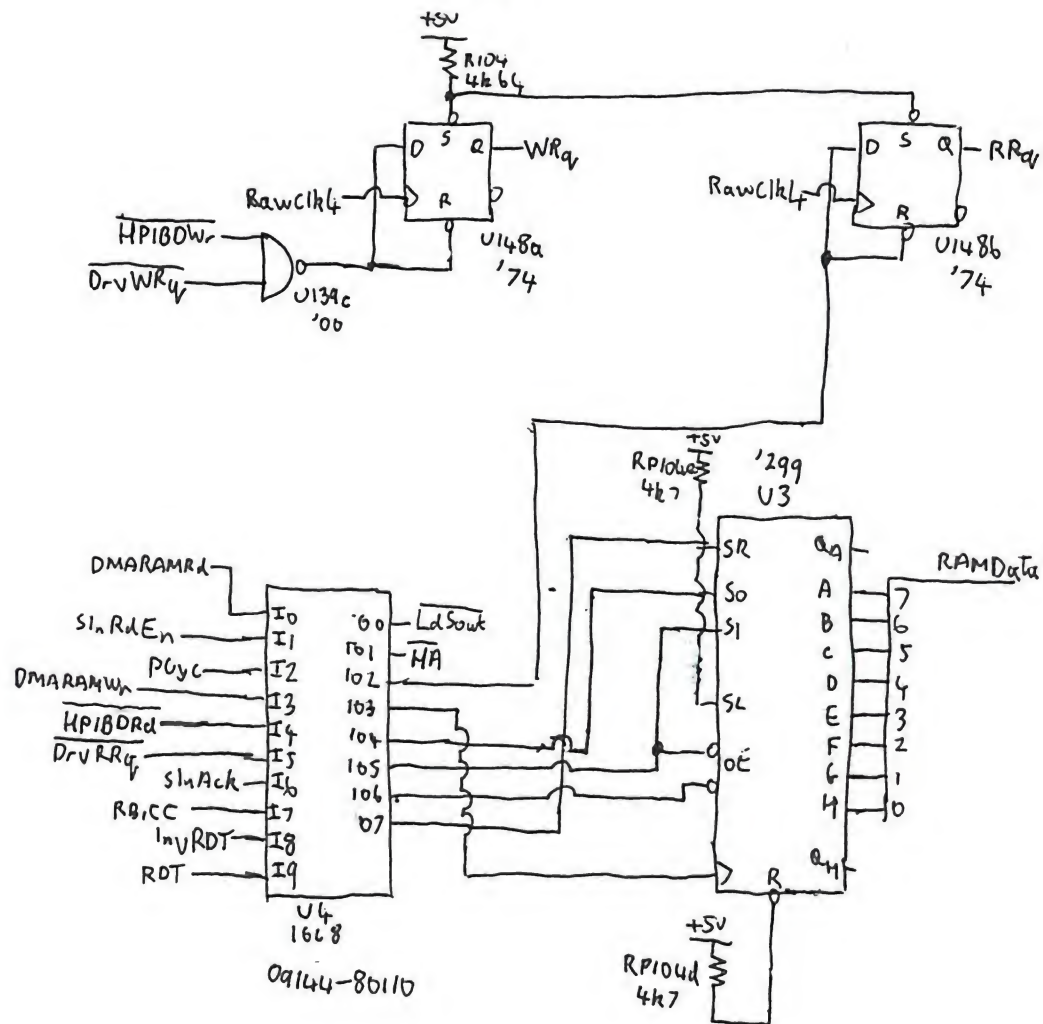
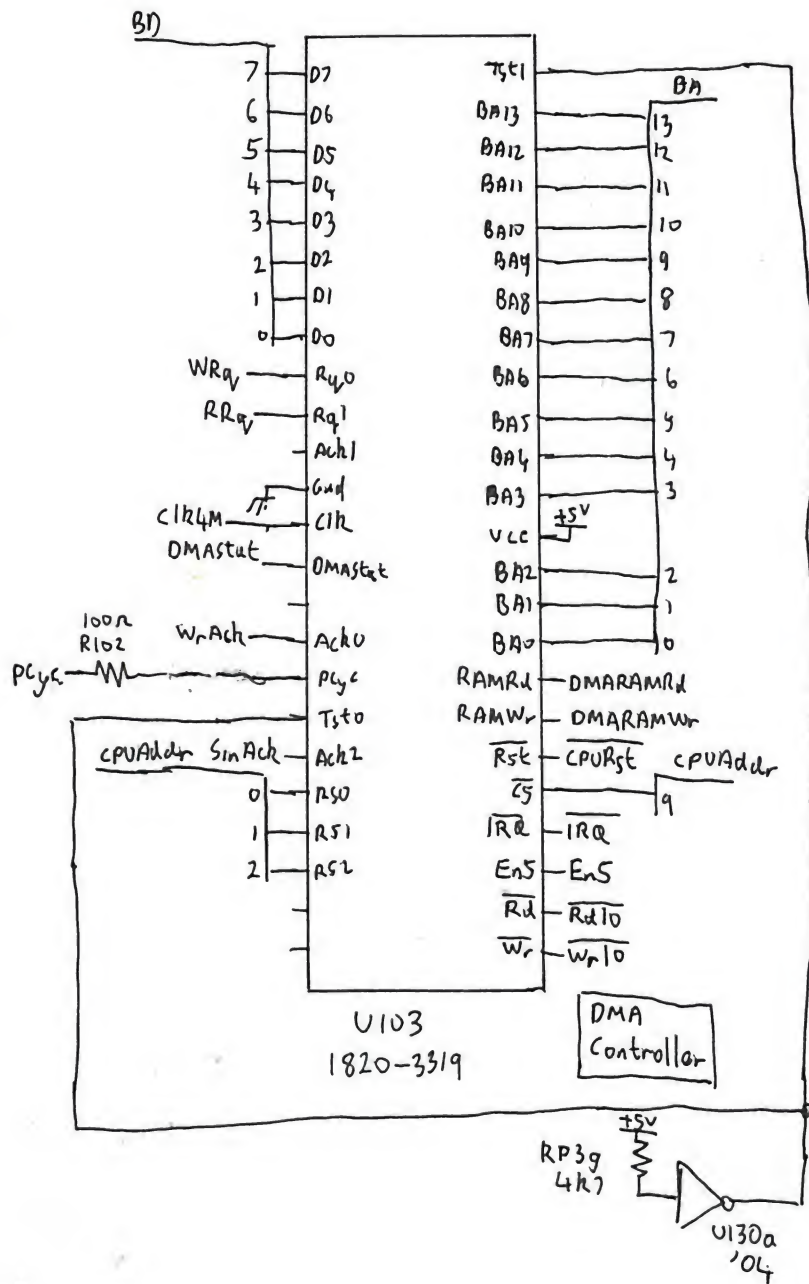




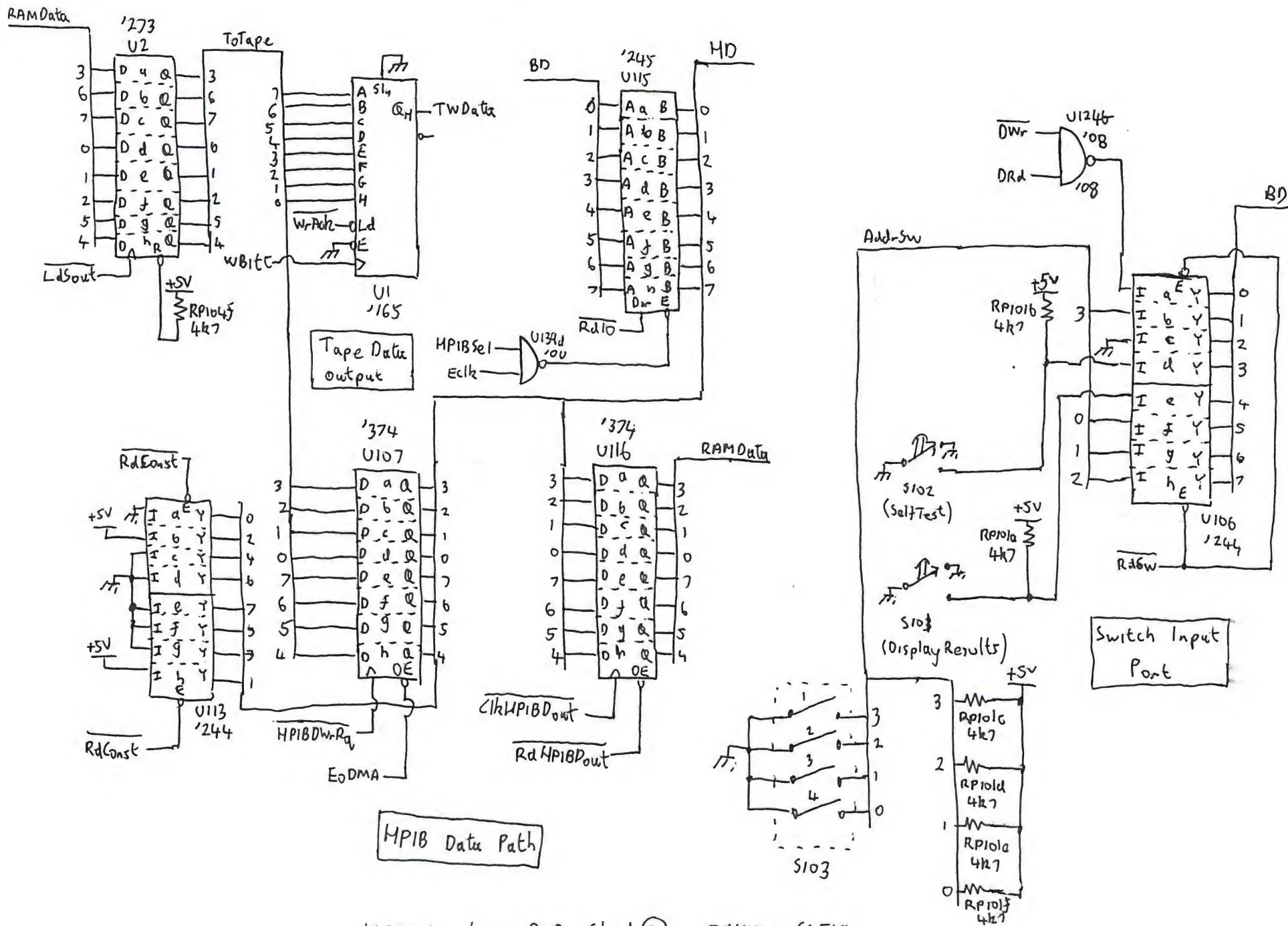
Address Decoder

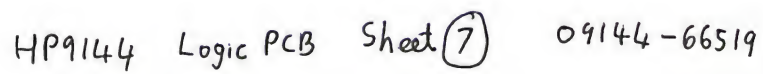


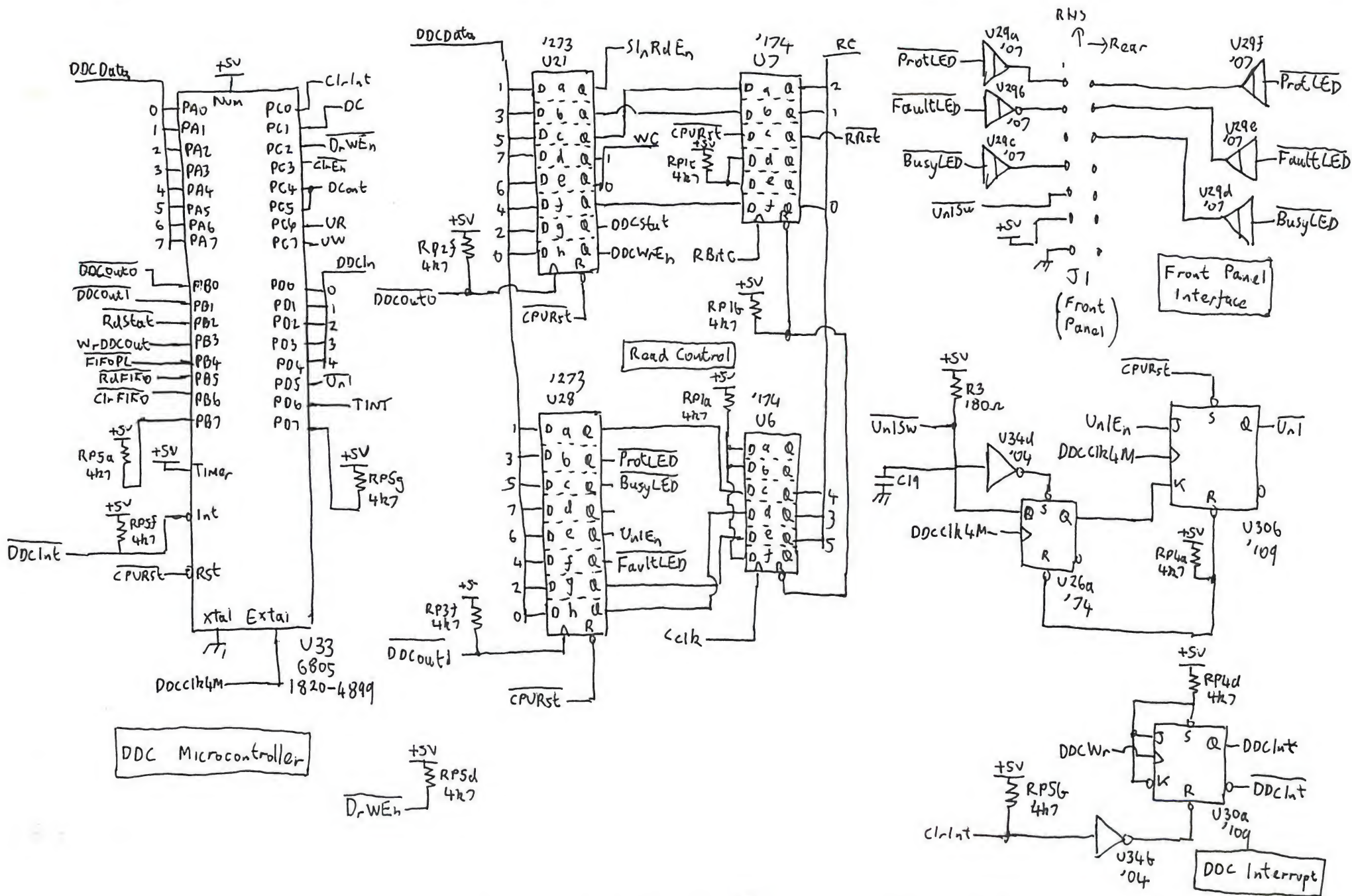


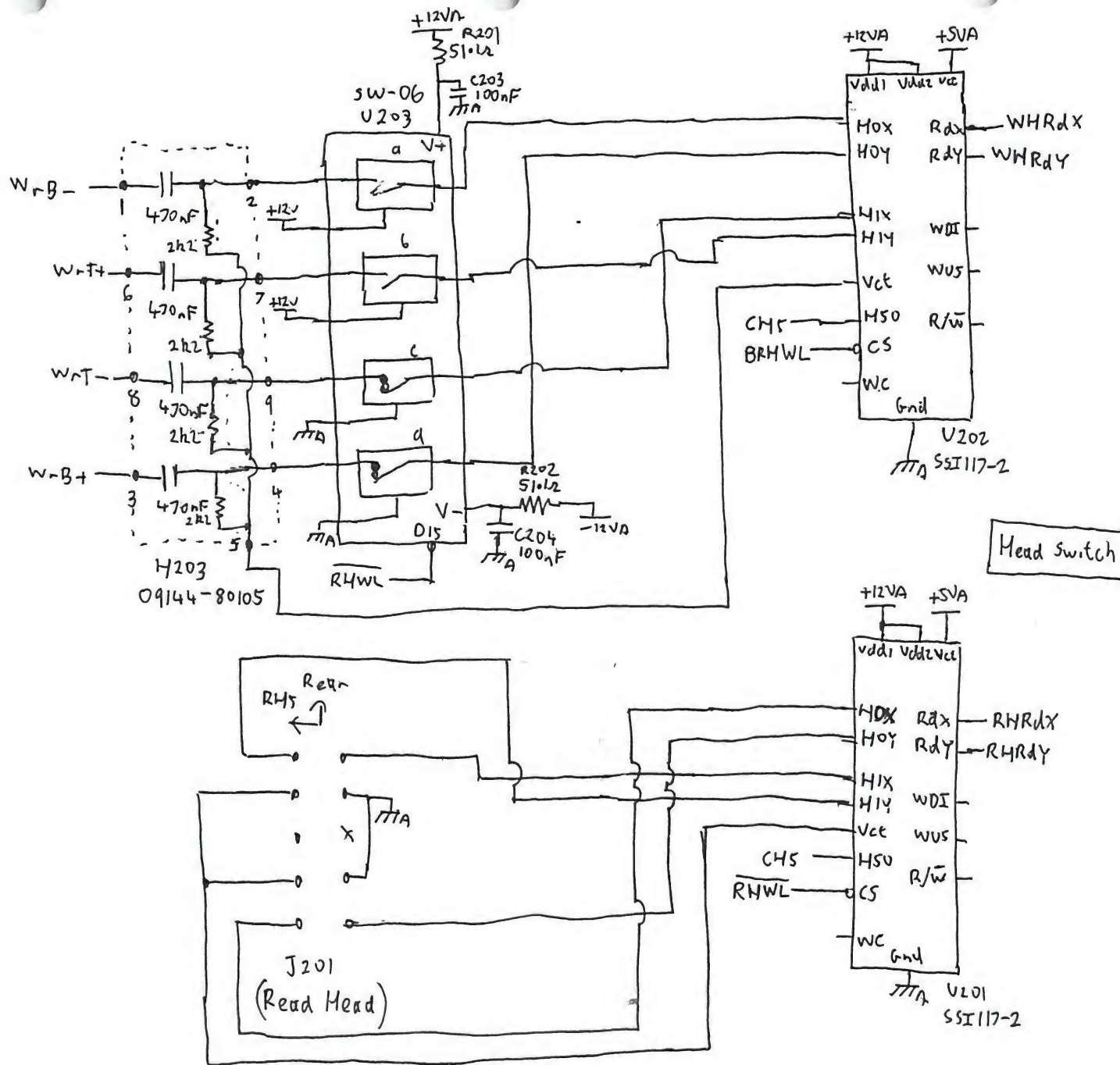


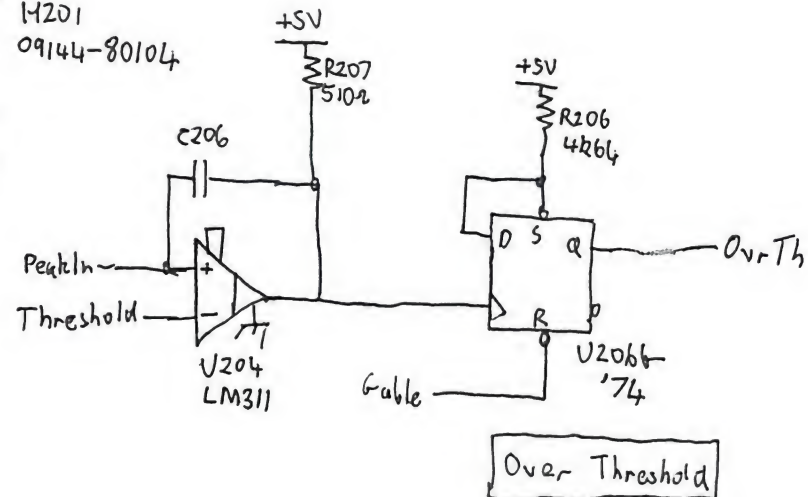
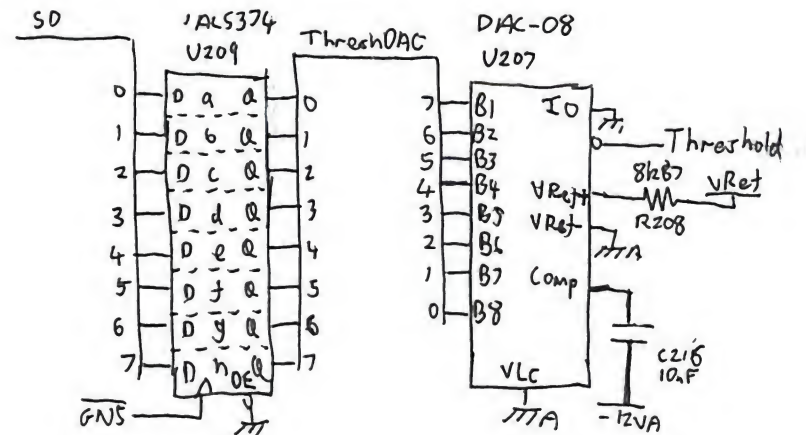
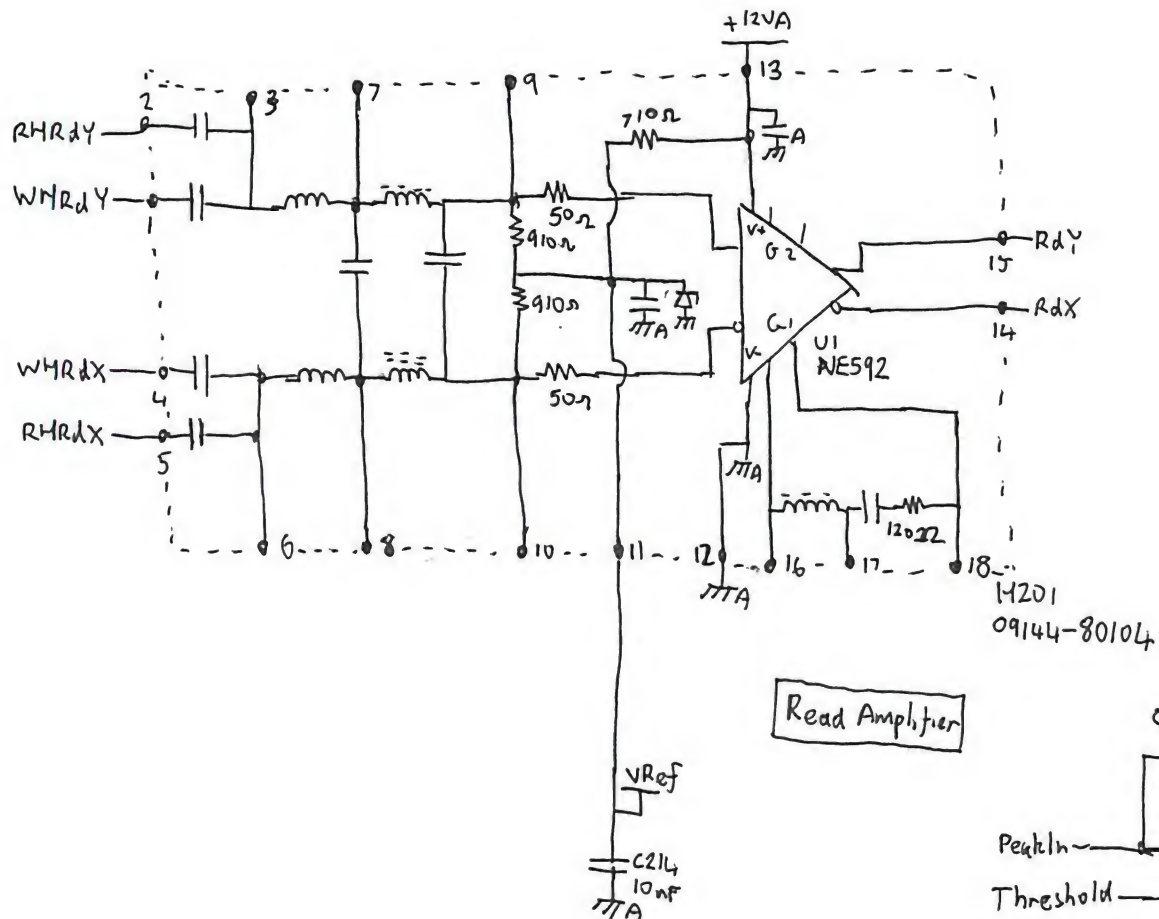
Tape Data
Input

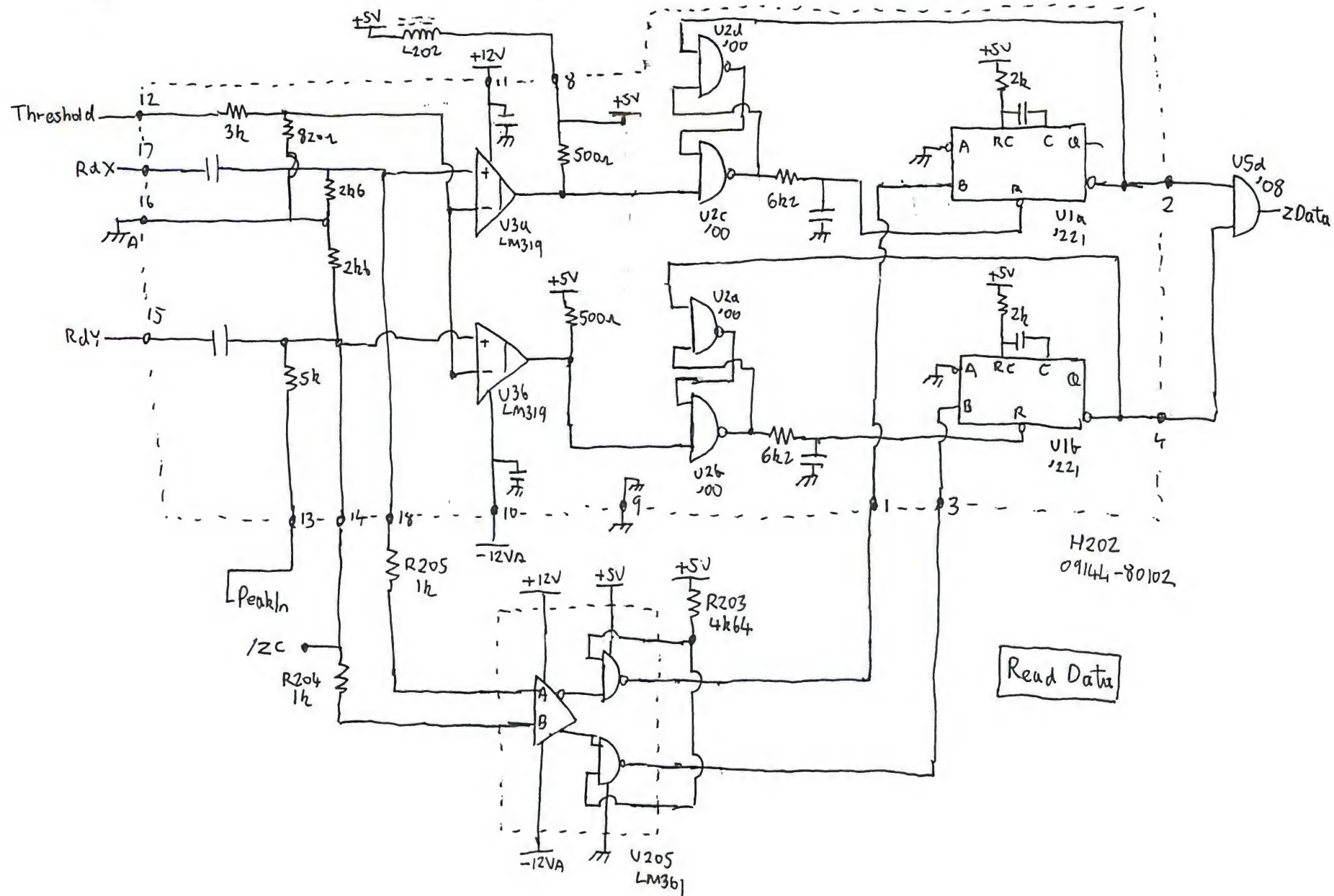


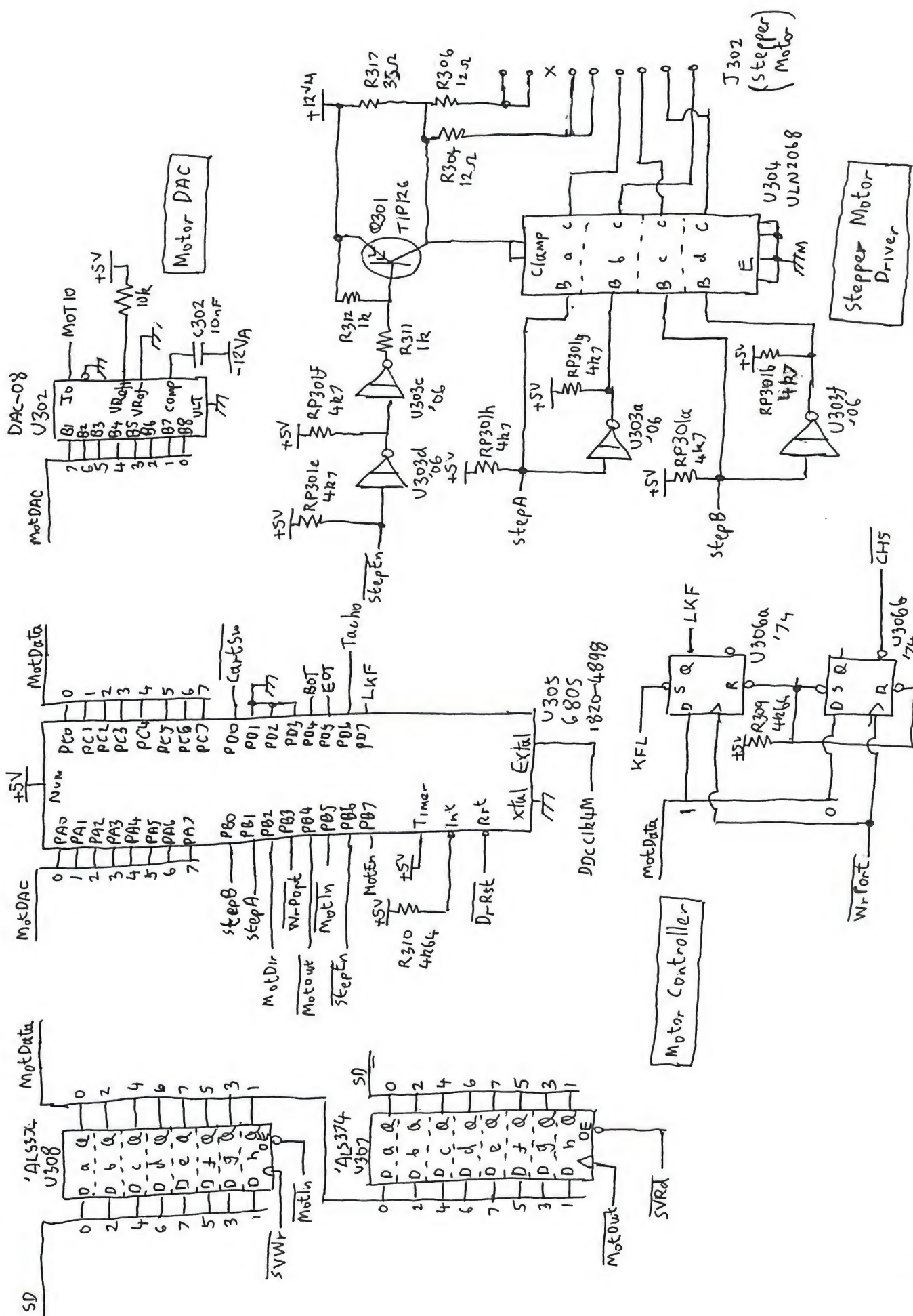


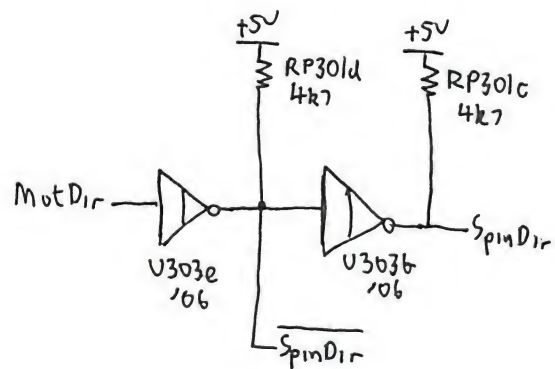
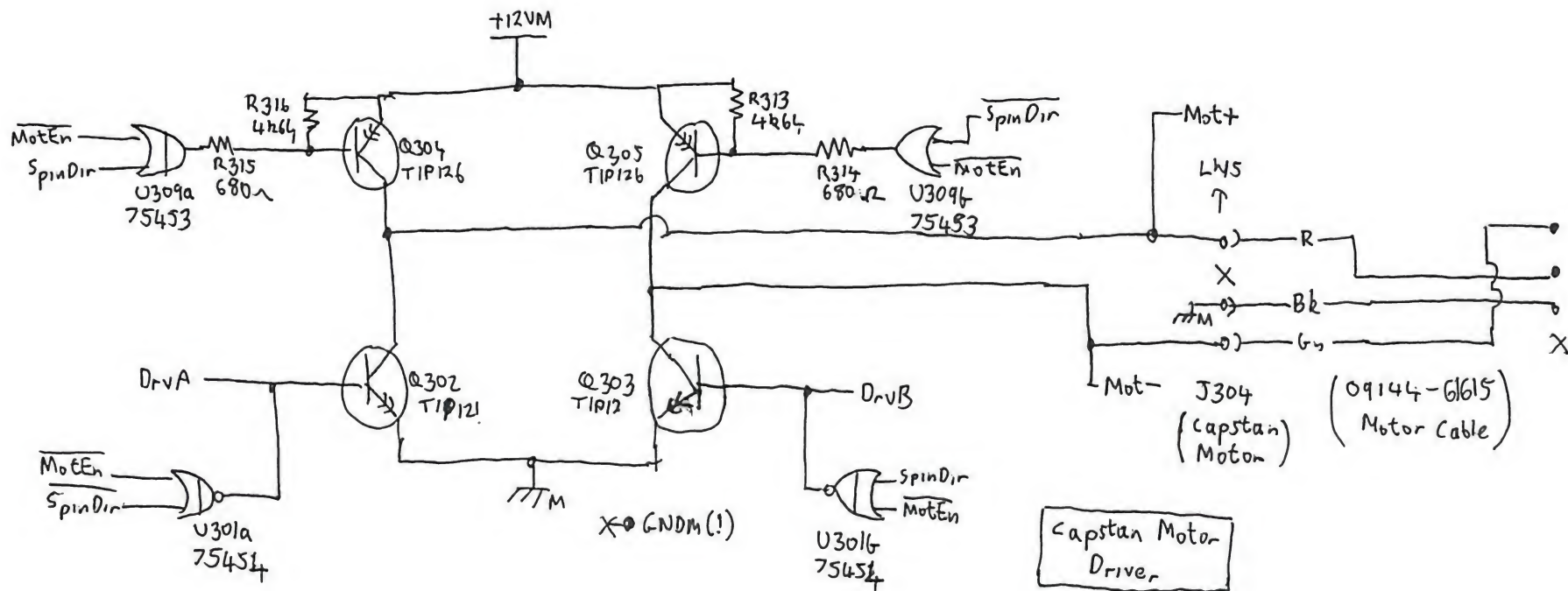


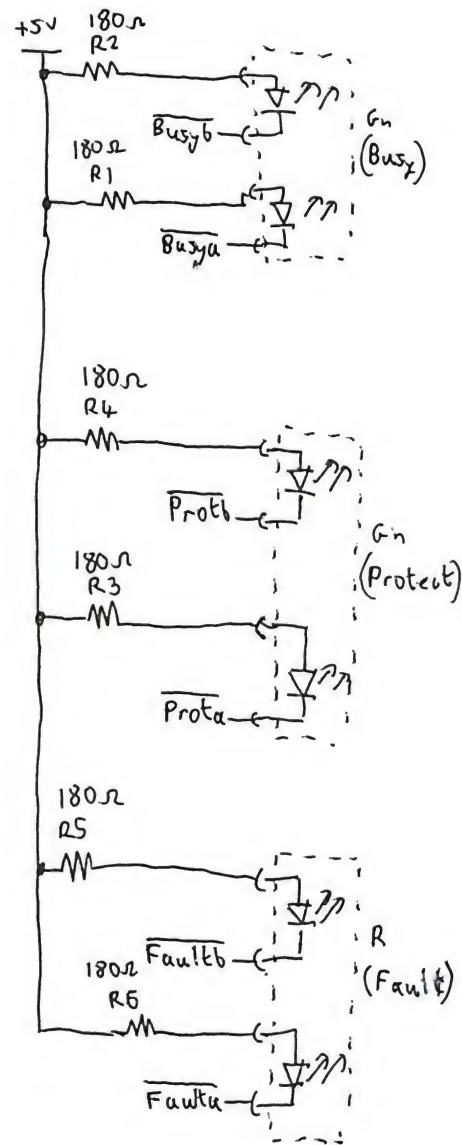
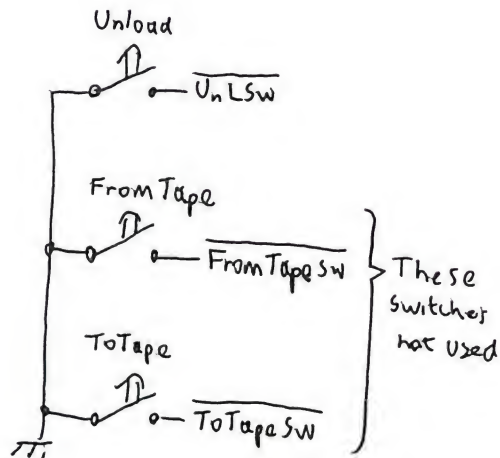
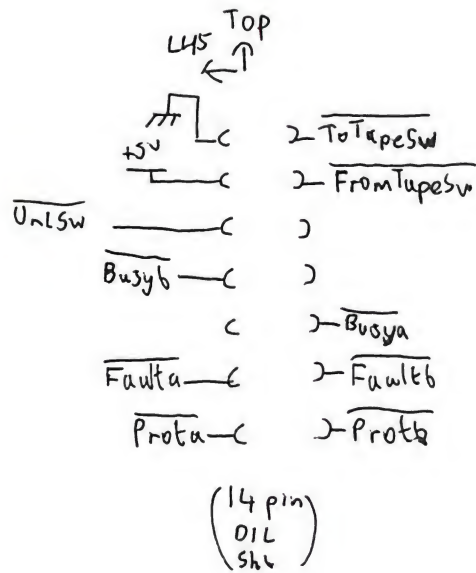


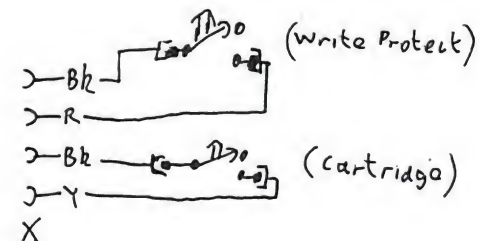
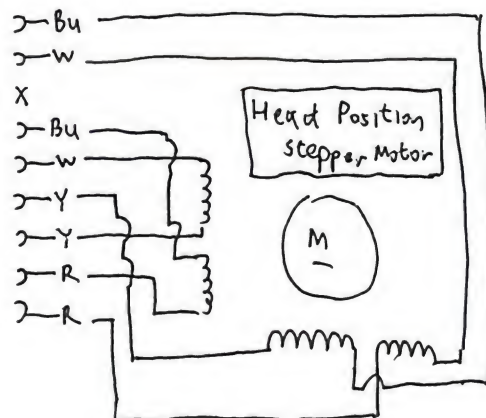
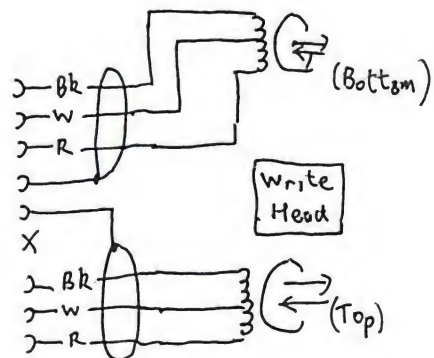




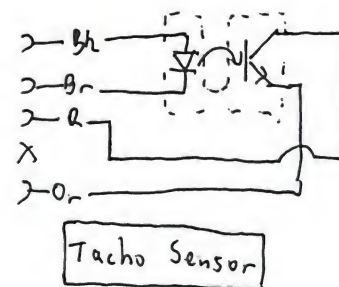
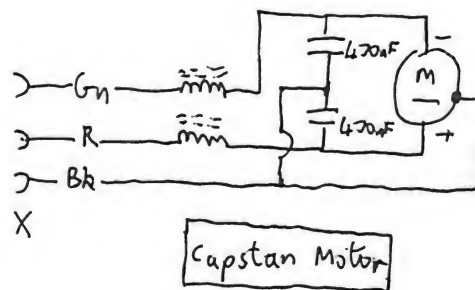
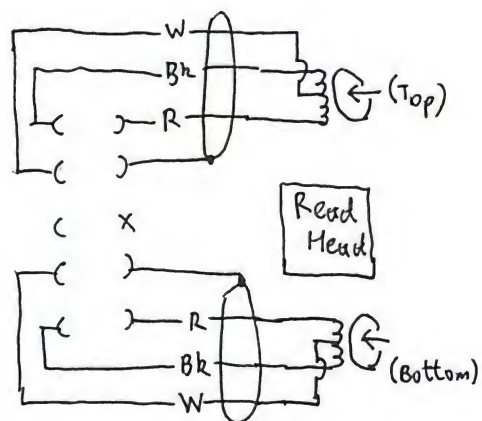


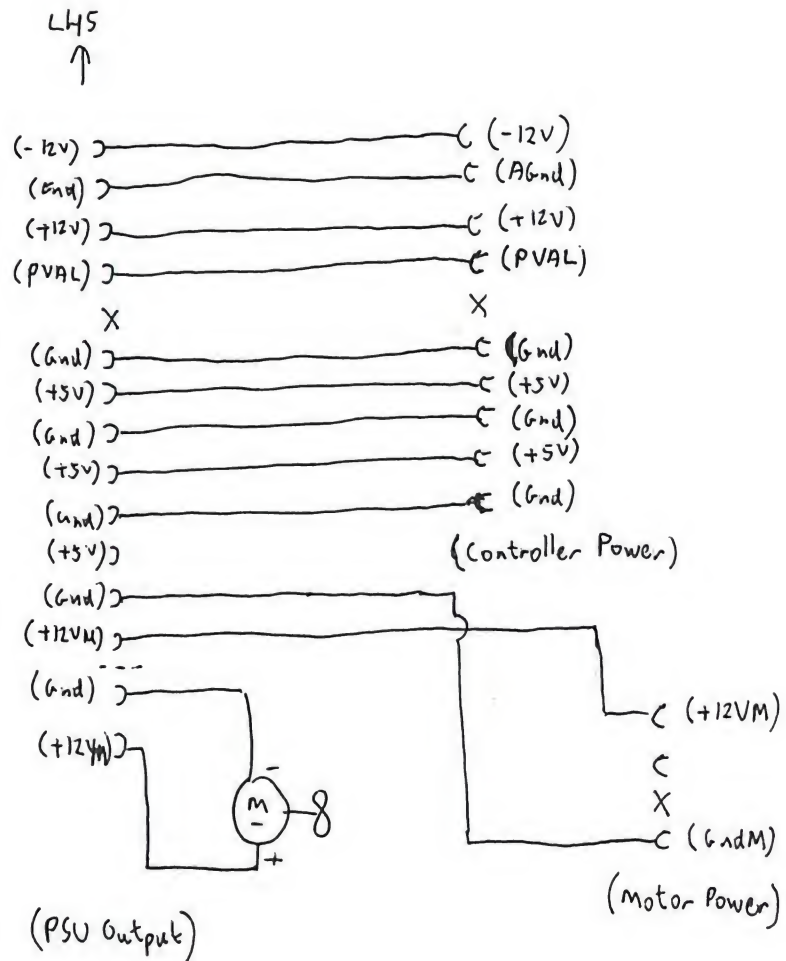


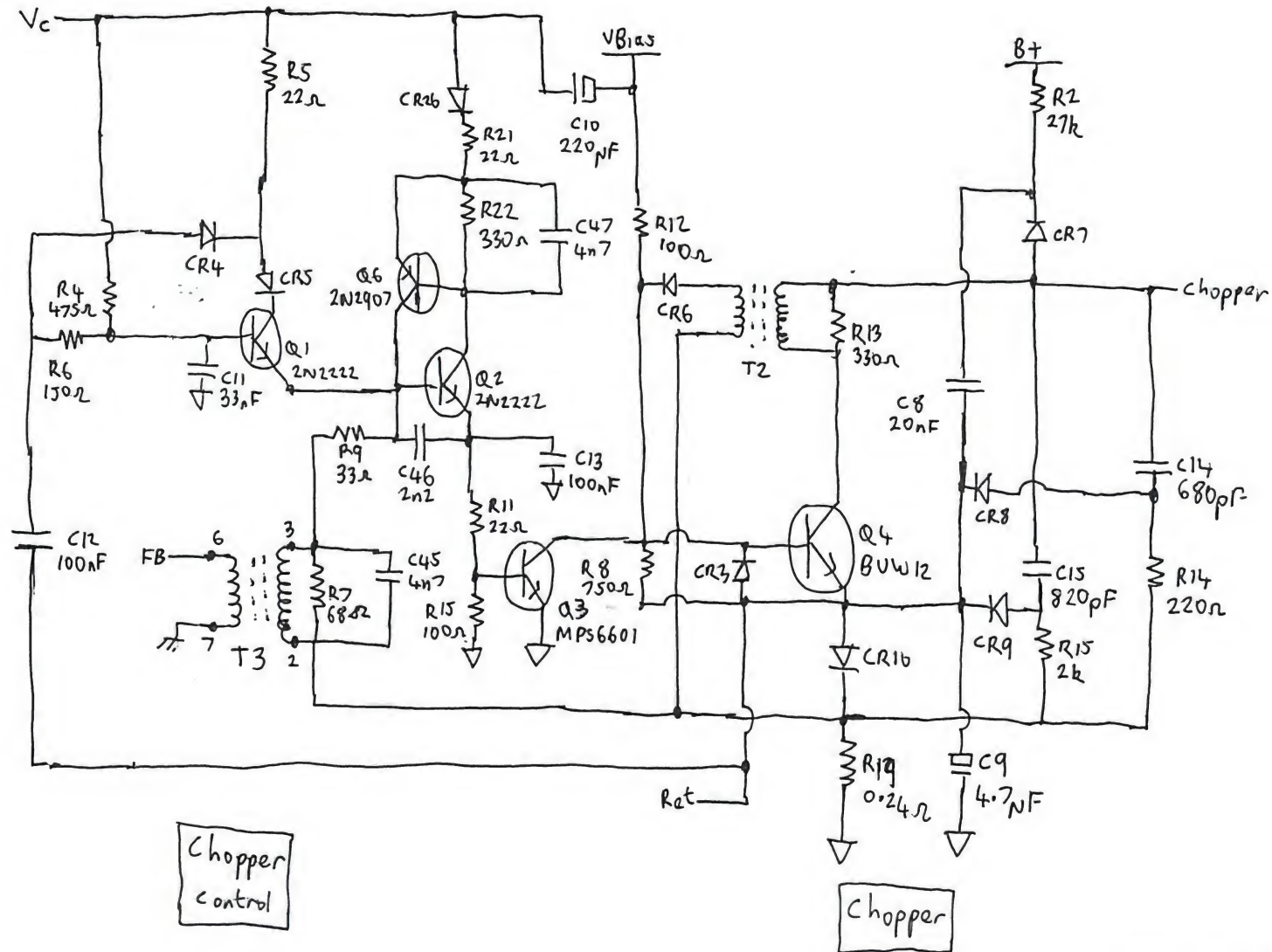




Microswitch

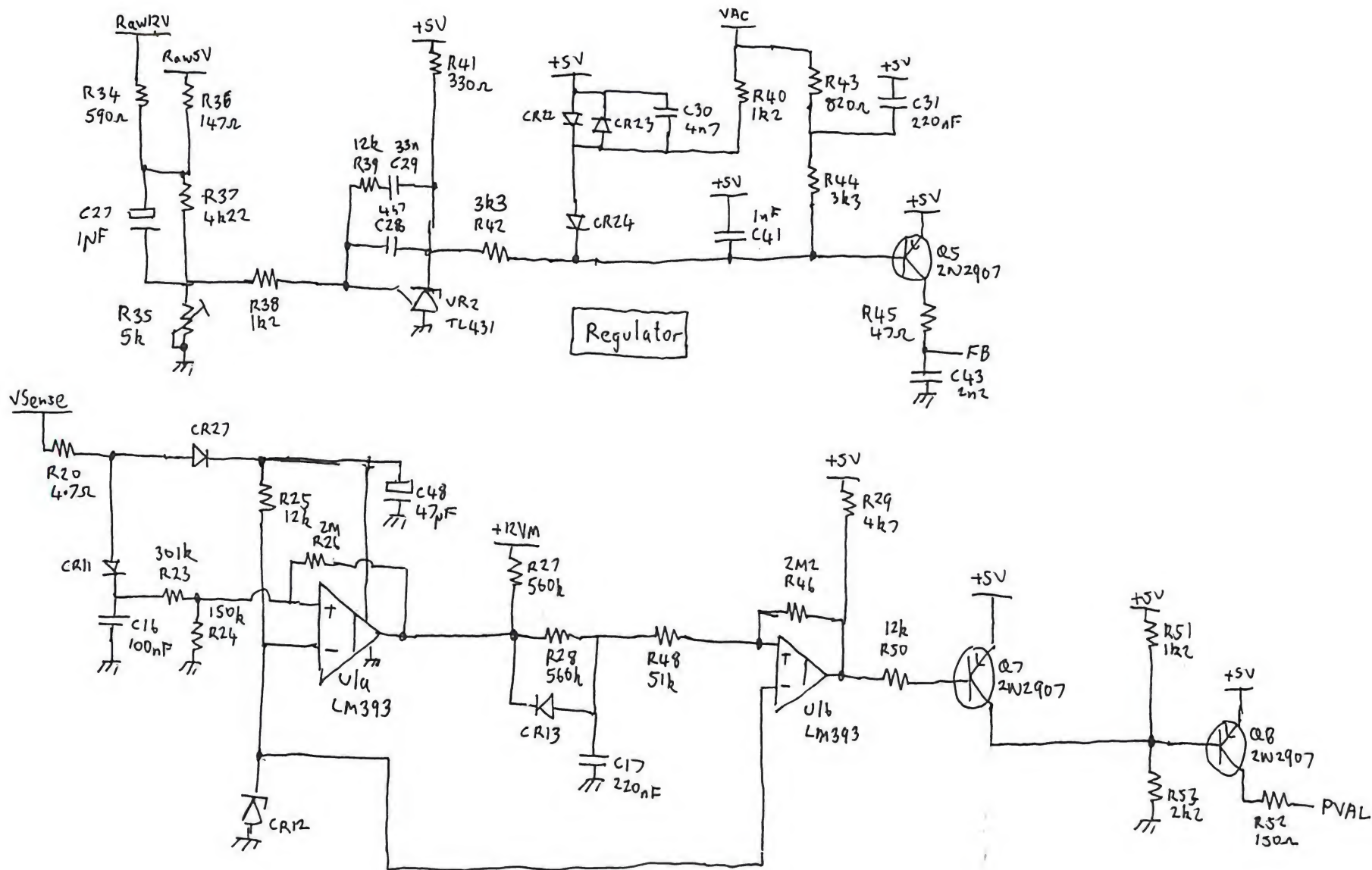


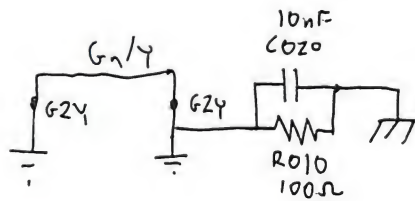
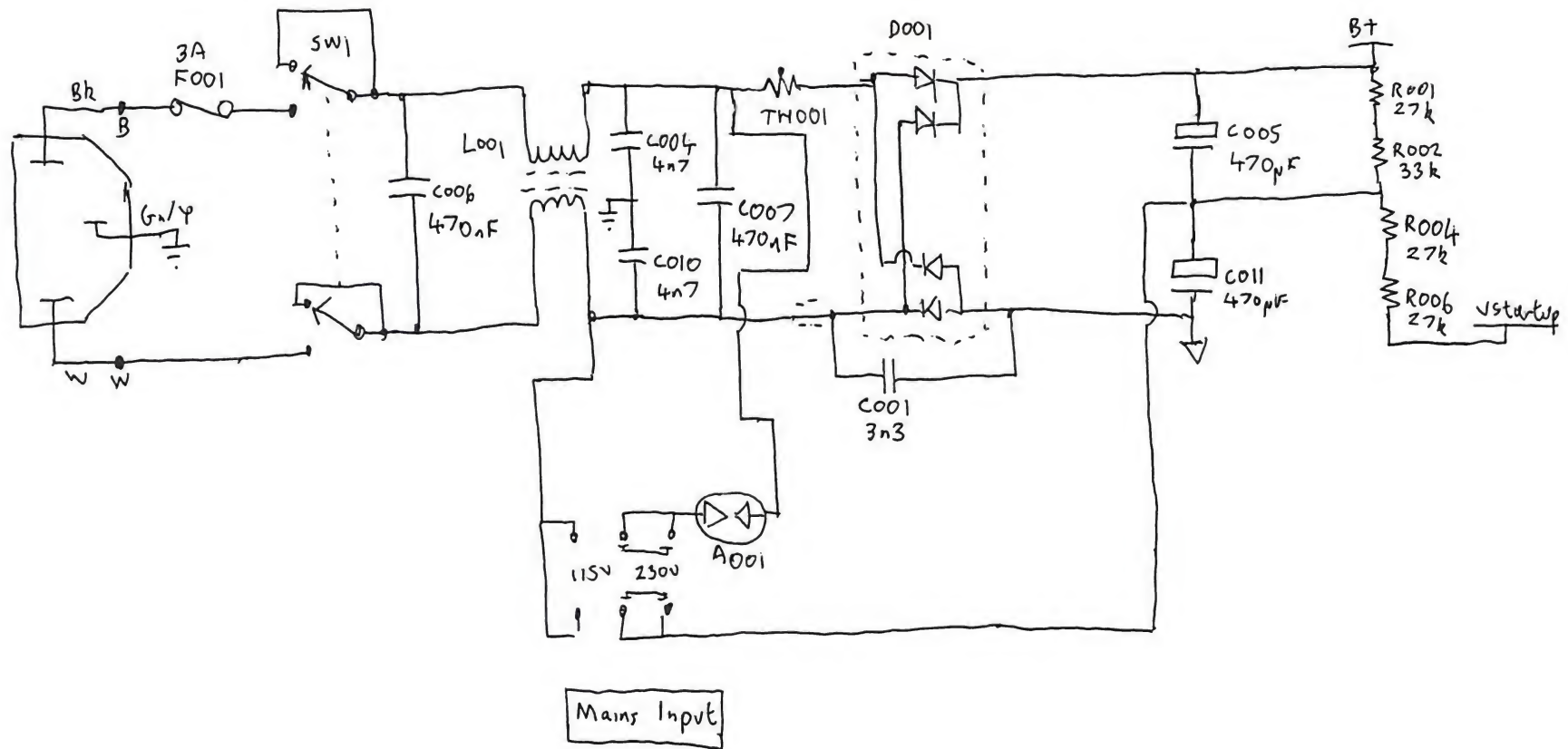


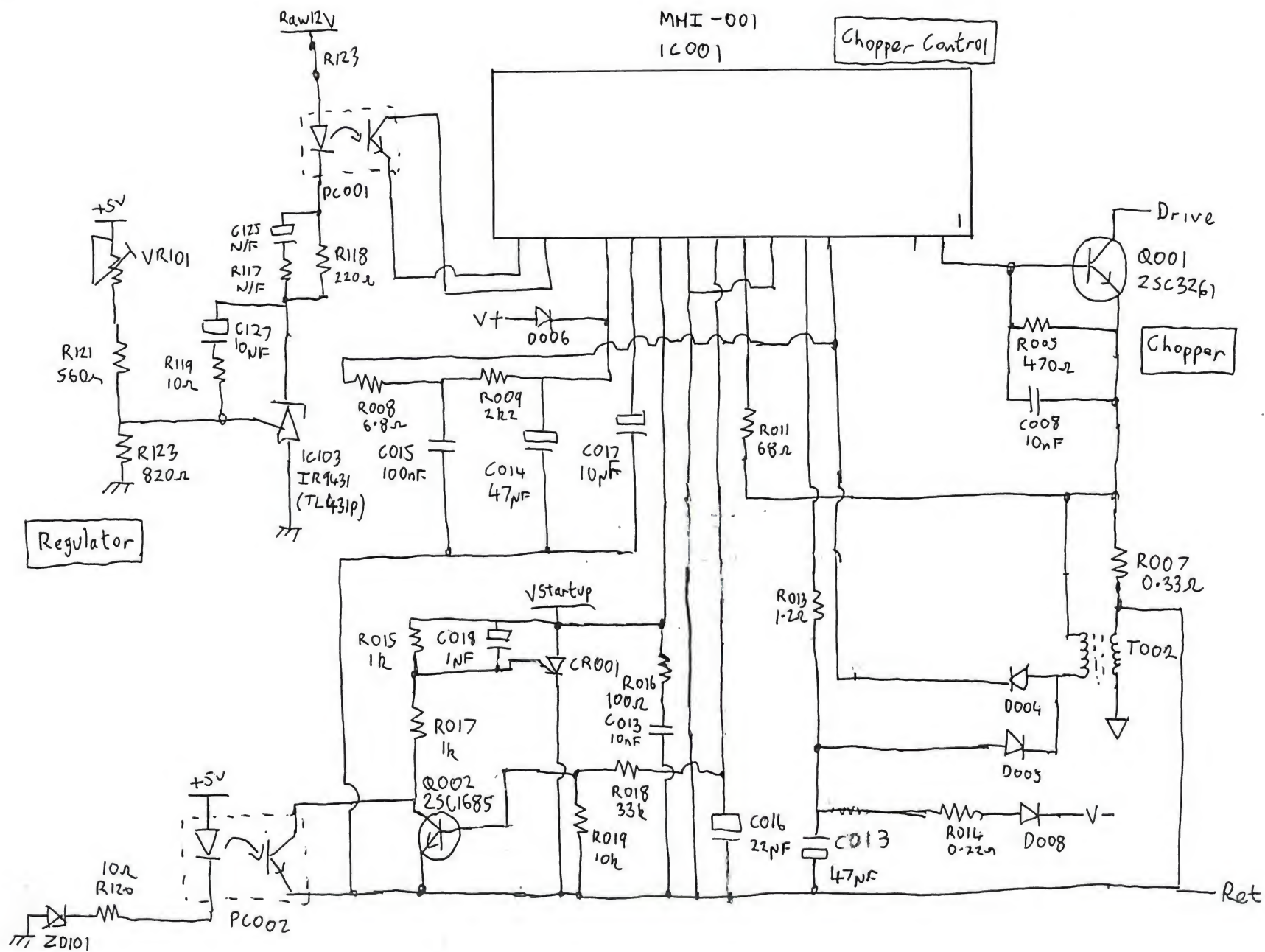


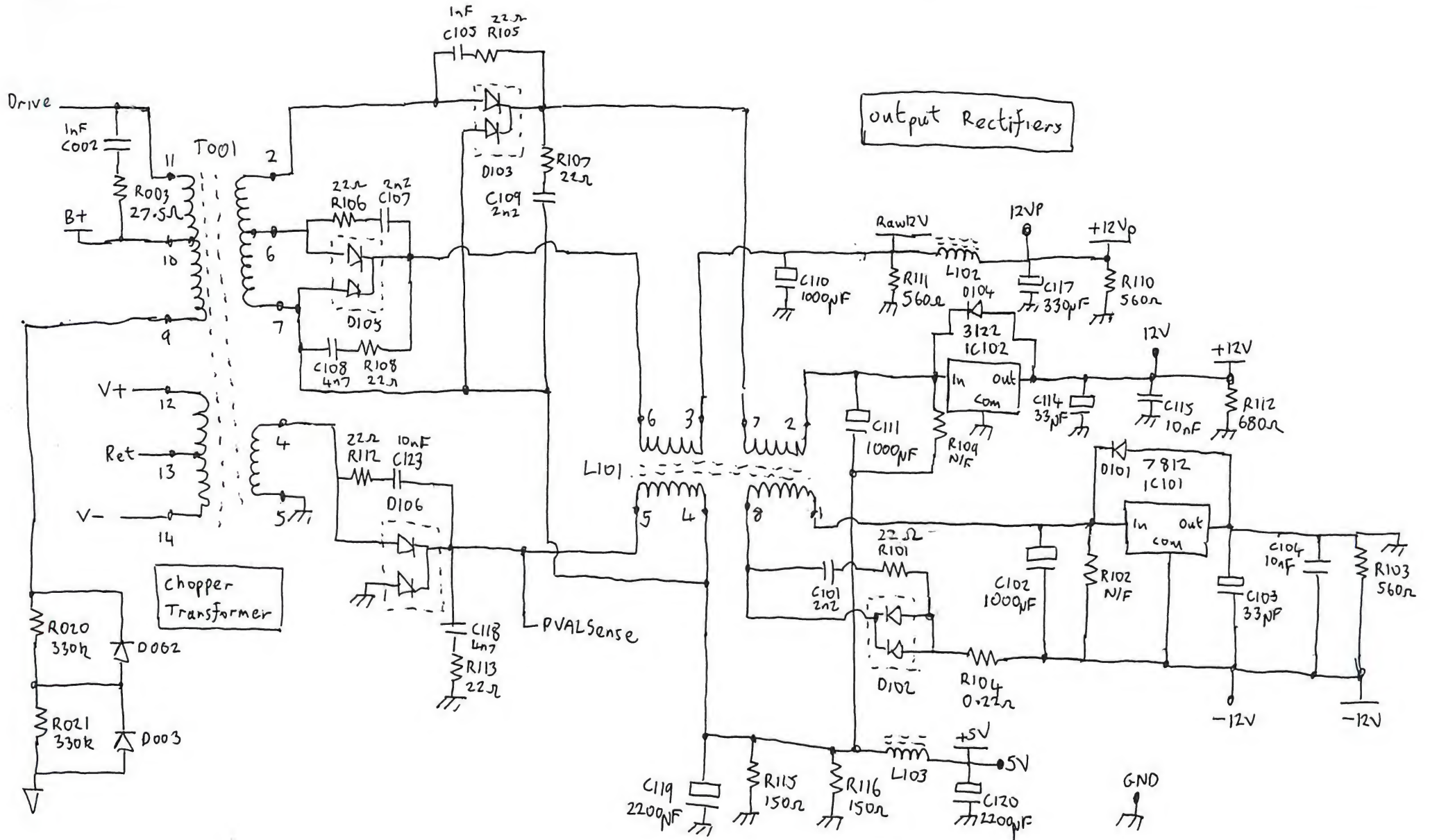
Chopper
control

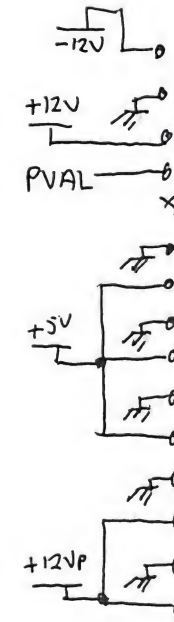
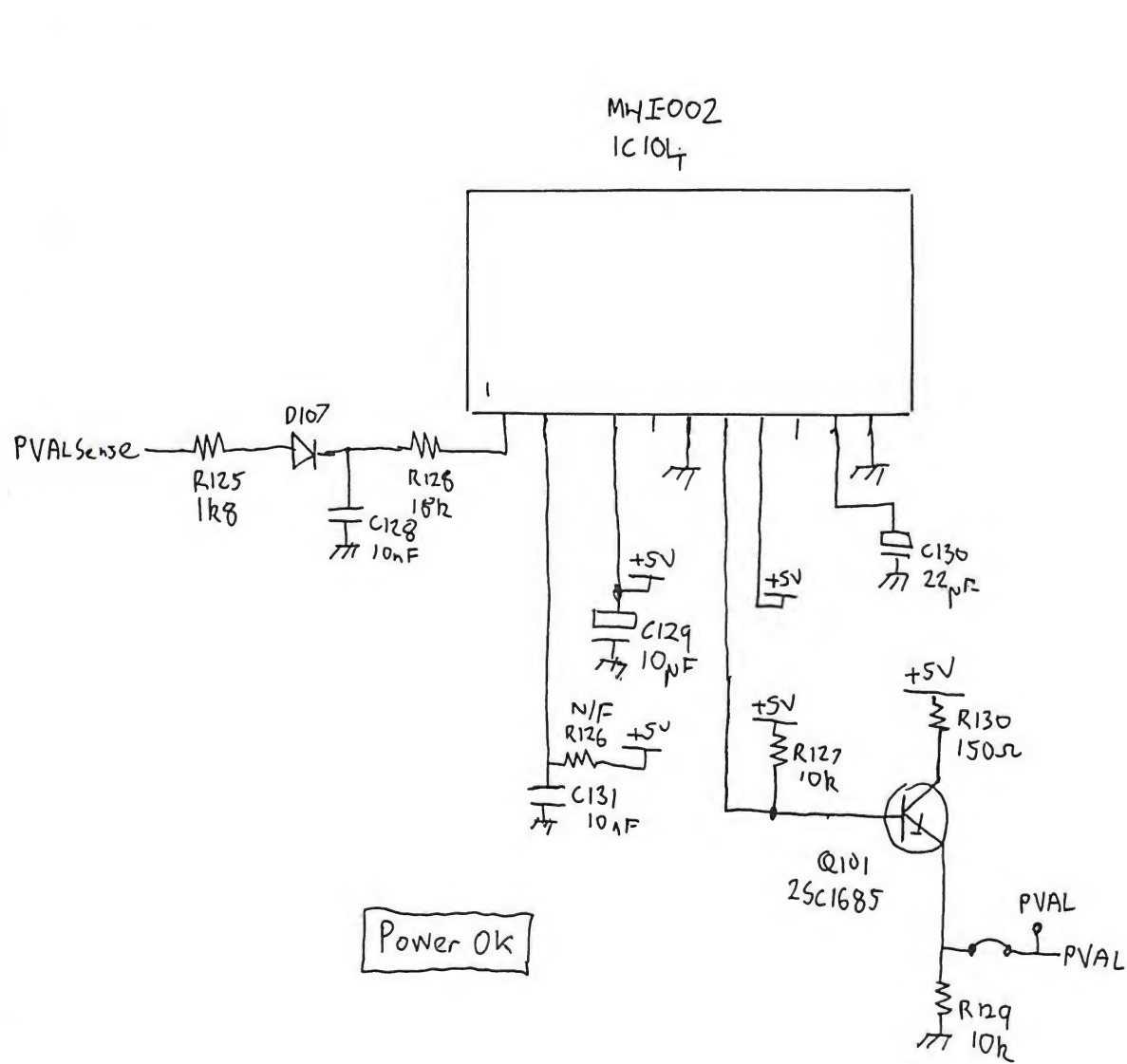
Chopper



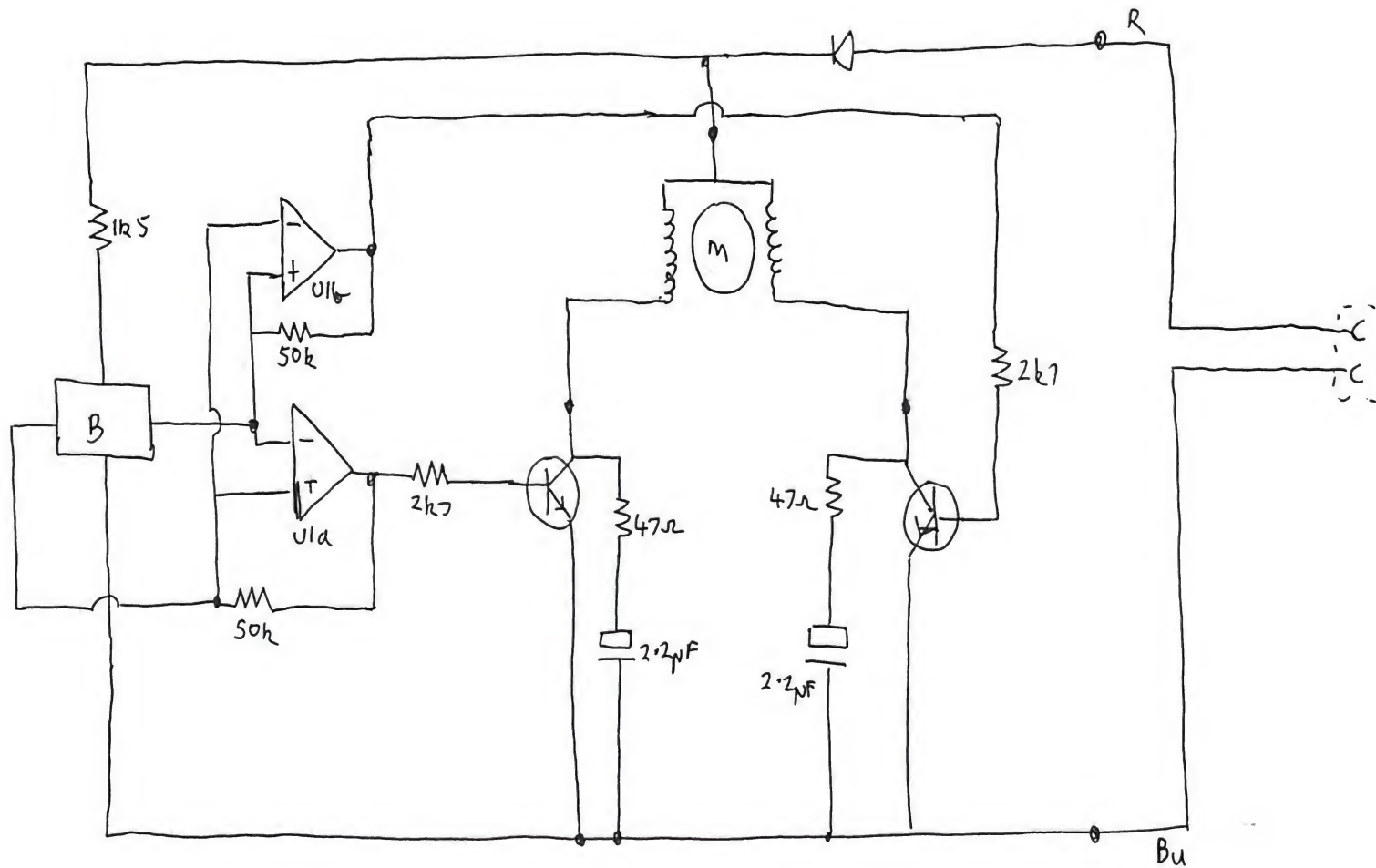








Output Connector



HP Mass Storage Unit Fan

Panaflo FBH-08A 12M



Panathlo FBP-08B12L